

Proposed Liveable Shed at Lot 03 James creek,NSW

Drawing list	
1	Location plan and site plan
2	Floor plan
3	South elevation and west elevation
4	North elevation and east elevation
5	Roof plan
6	Section A-A

Copyright for all documents, drawings, designs, and specifications created shall remain the exclusive property of the architect unless otherwise agreed upon. No part of these drawings may be reproduced, distributed, or transmitted in any form or by any means, including but not limited to electronic or mechanical methods, photocopying, recording, or any information storage and retrieval system, without the prior written permission of the Architect.

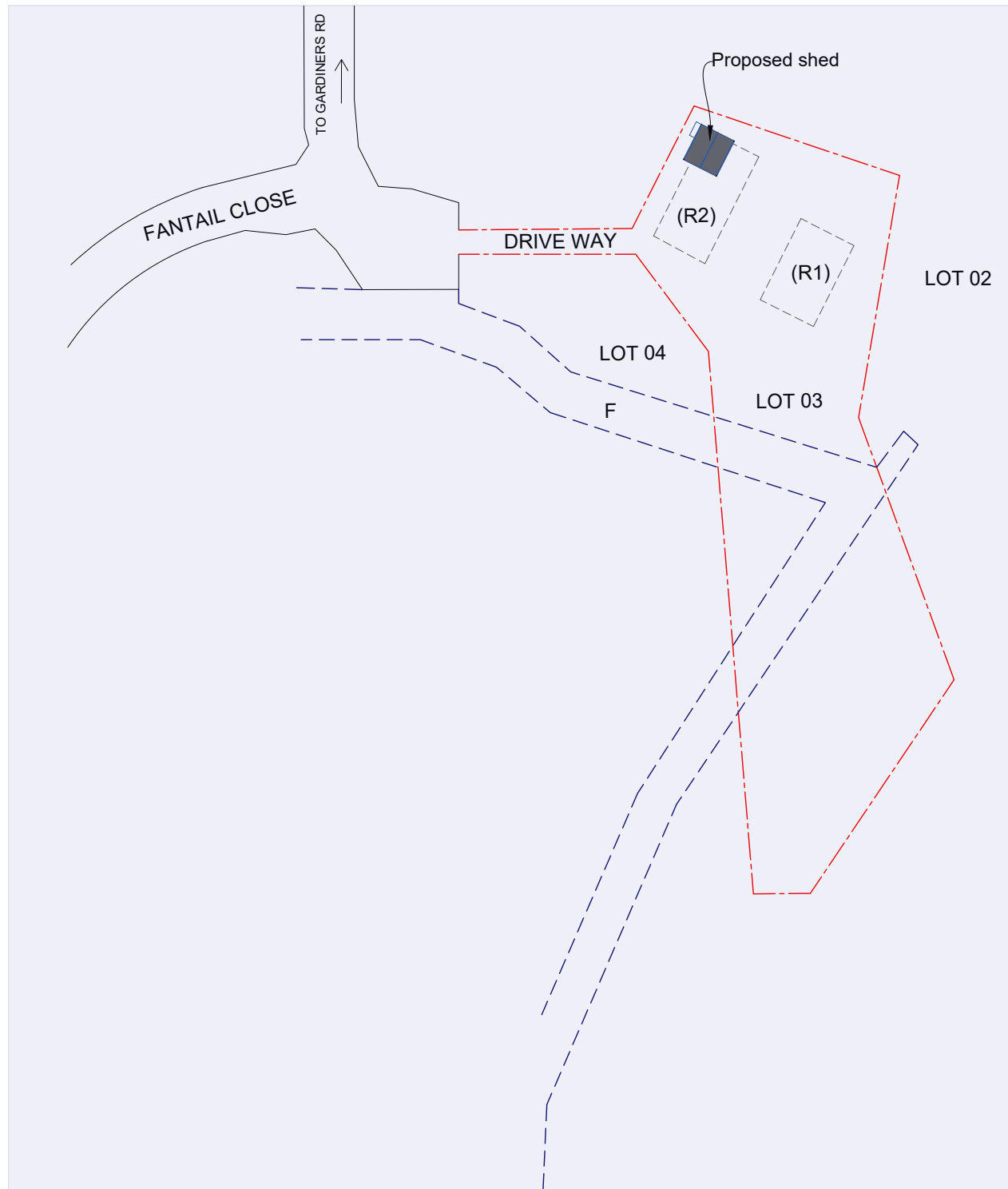
This document is not to be used for construction unless it is signed and issued for construction

Issue	Revision Description	Date	Issue	Revision Description	Date
	Issued for Development application	05.04.2024			

--	--

Project PROPOSED SHED DESIGN	
Address Lot 03 James creek,NSW	

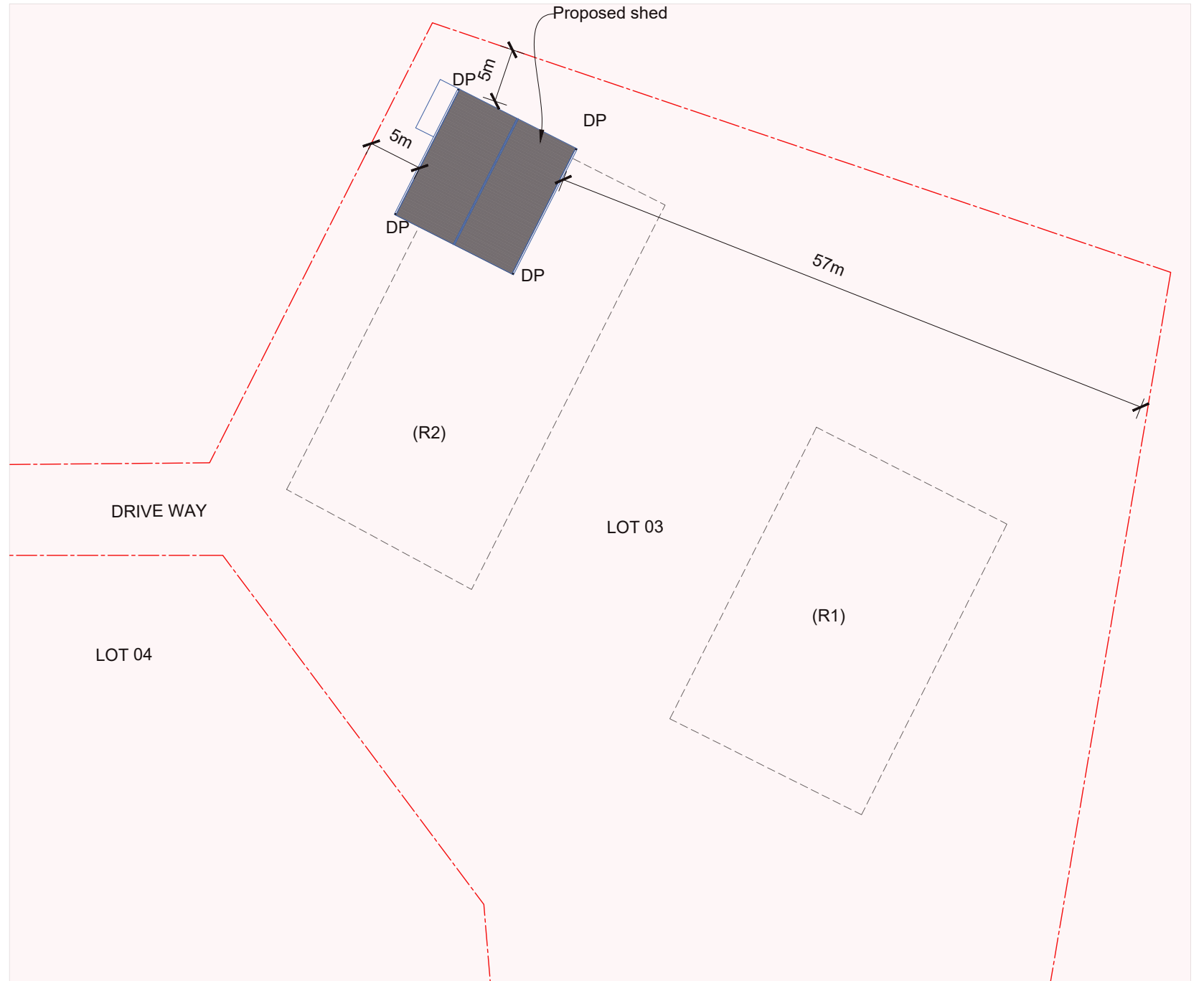
<small>Scale (unless noted otherwise)</small> NTS	<small>Drawn</small> HM	<small>Checked</small> KW
<small>Drawing Title</small> COVER PAGE		
<small>Drawing No.</small> A00	<small>Sheet No.</small> 00	<small>Issue</small> A



01 LOCATION PLAN
01 Scale 1:2000

Unit/Areas	m ²
Site area	15220.00
Proposed floor area	166.00

- LEGEND :**
- (R1) Restriction on the use of land (No.3)(site)
 - (R2) Restriction on the use of land (No.4)(site)
 - DP Down pipe (Refer the roof plan)
 - F Easement for drainage of water 15 wide & variable
 - Boundary line
 - Easement for drainage of water 15 wide & variable

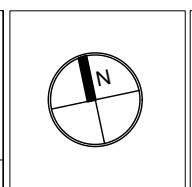


02 SITE PLAN
01 Scale 1:500

Copyright for all documents, drawings, designs, and specifications created shall remain the exclusive property of the architect unless otherwise agreed upon. No part of these drawings may be reproduced, distributed, or transmitted in any form or by any means, including but not limited to electronic or mechanical methods, photocopying, recording, or any information storage and retrieval system, without the prior written permission of the Architect.

This document is not to be used for construction unless it is signed and issued for construction

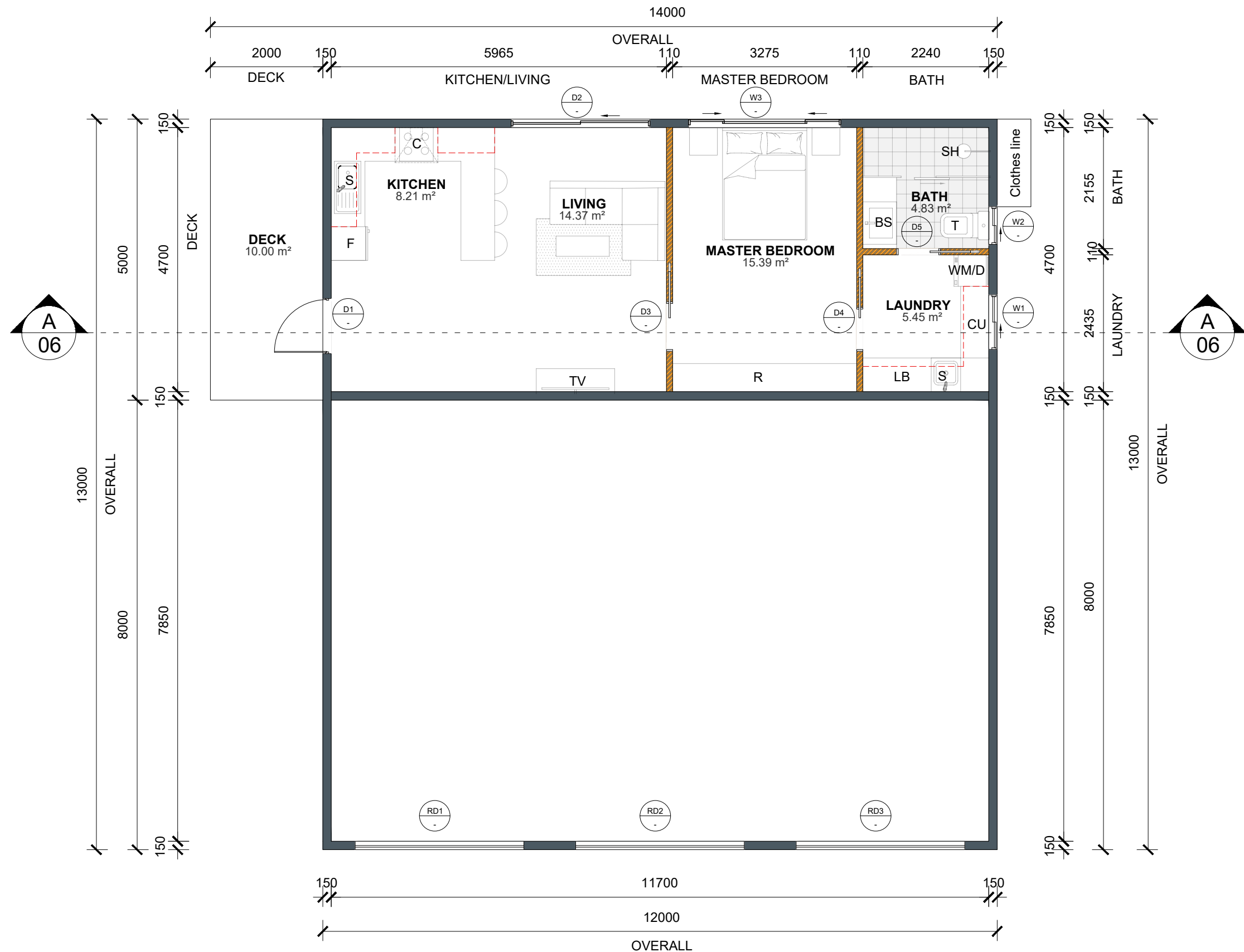
Issue	Revision Description	Date	Issue	Revision Description	Date
	Issued for Development application	05.04.2024			



Project
PROPOSED SHED DESIGN

Address
Lot 03 James creek, NSW

Scale (unless noted otherwise) GIVEN @ A3	Drawn HM	Checked KW
Drawing Title LOCATION PLAN AND SITE PLAN		
Drawing No. A01	Sheet No. 01	Issue A



- LEGEND :**
- BS Basin
 - T Toilet
 - SH Shower
 - LB Laundry bench
 - WM Washing machine
 - D Dryer
 - S Sink
 - C Cooker
 - F Fridge
 - R Robe
 - CU Cupboard
 - TV Television
 - Colorbond clad wall (Surfmist color)
 - Internal wall
 - Overhead cupboard above the bench

01 PROPOSED FLOOR PLAN
02 Scale 1:75

Copyright for all documents, drawings, designs, and specifications created shall remain the exclusive property of the architect unless otherwise agreed upon. No part of these drawings may be reproduced, distributed, or transmitted in any form or by any means, including but not limited to electronic or mechanical methods, photocopying, recording, or any information storage and retrieval system, without the prior written permission of the Architect.

This document is not to be used for construction unless it is signed and issued for construction

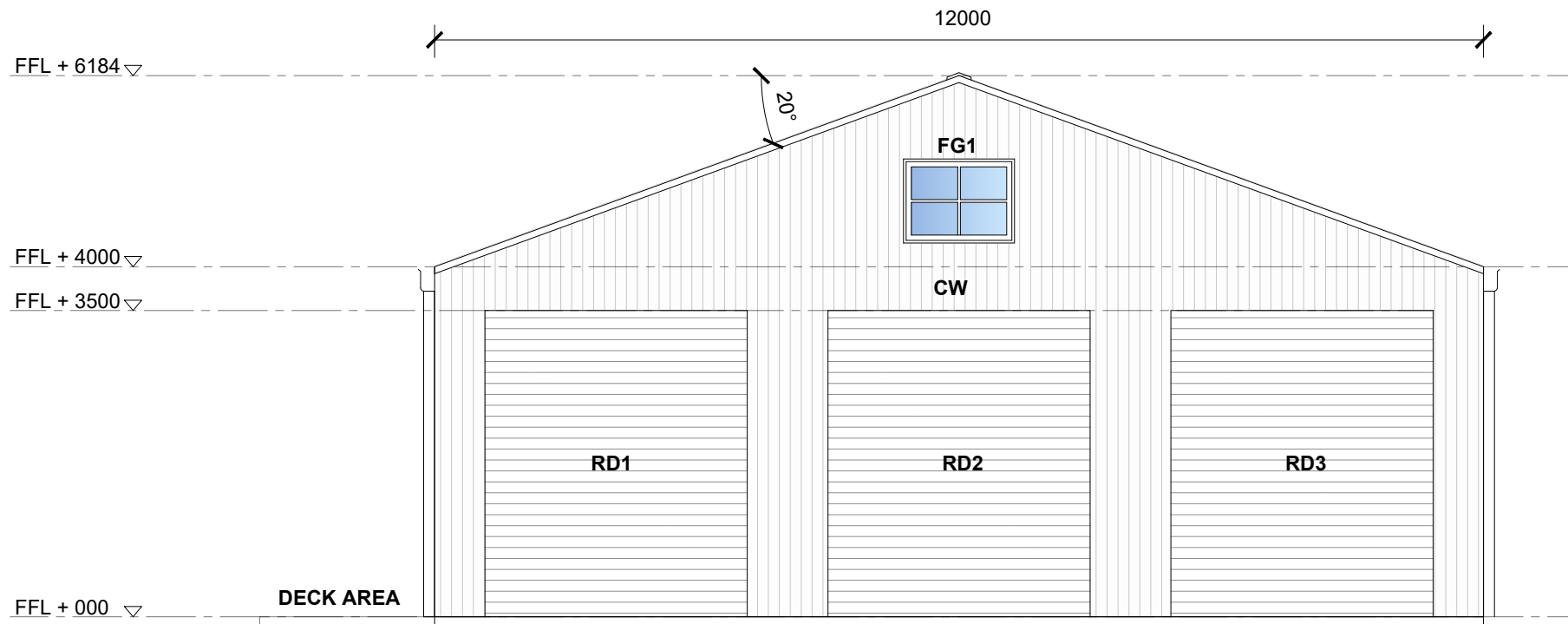
Issue	Revision Description	Date	Issue	Revision Description	Date
	Issued for Development application	05.04.2024			



Project
PROPOSED SHED DESIGN

Address
 Lot 03 James creek, NSW



Scale (unless noted otherwise) GIVEN @ A3		Drawn HM	Checked KW
Drawing Title FLOOR PLAN			
Drawing No. A02	Sheet No. 02	Issue A	

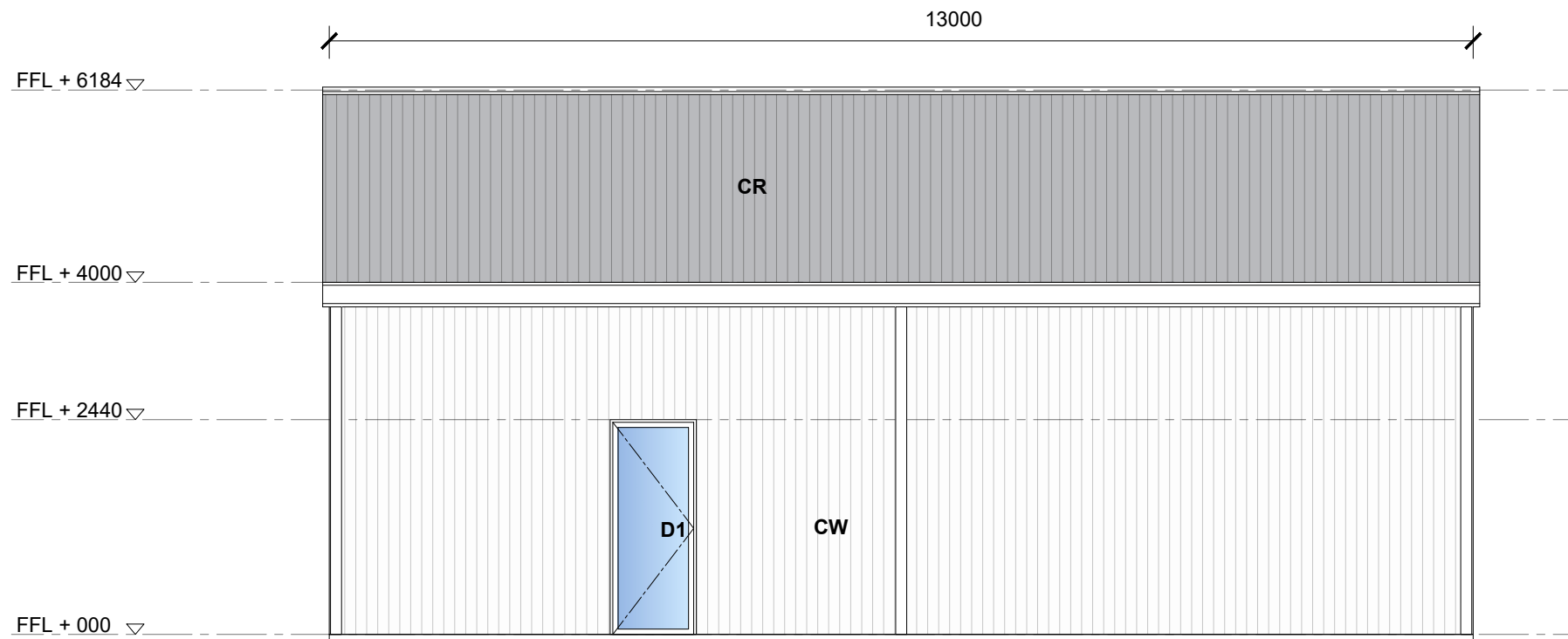


01 SOUTH ELEVATION
03 Scale 1:75

Doors and Windows Schedule			
No.	Width(mm)	Height(mm)	Type
D1	980	2440	Glass door
FG1	1270	960	Fixed window
RD1	3000	3500	Roller door
RD2	3000	3500	Roller door
RD3	3000	3500	Roller door

EXTERIOR FINISHES :

-  **CR** Colorbond roofing sheets (Windspray)
-  **CW** Colorbond clad wall (Surfmist color)



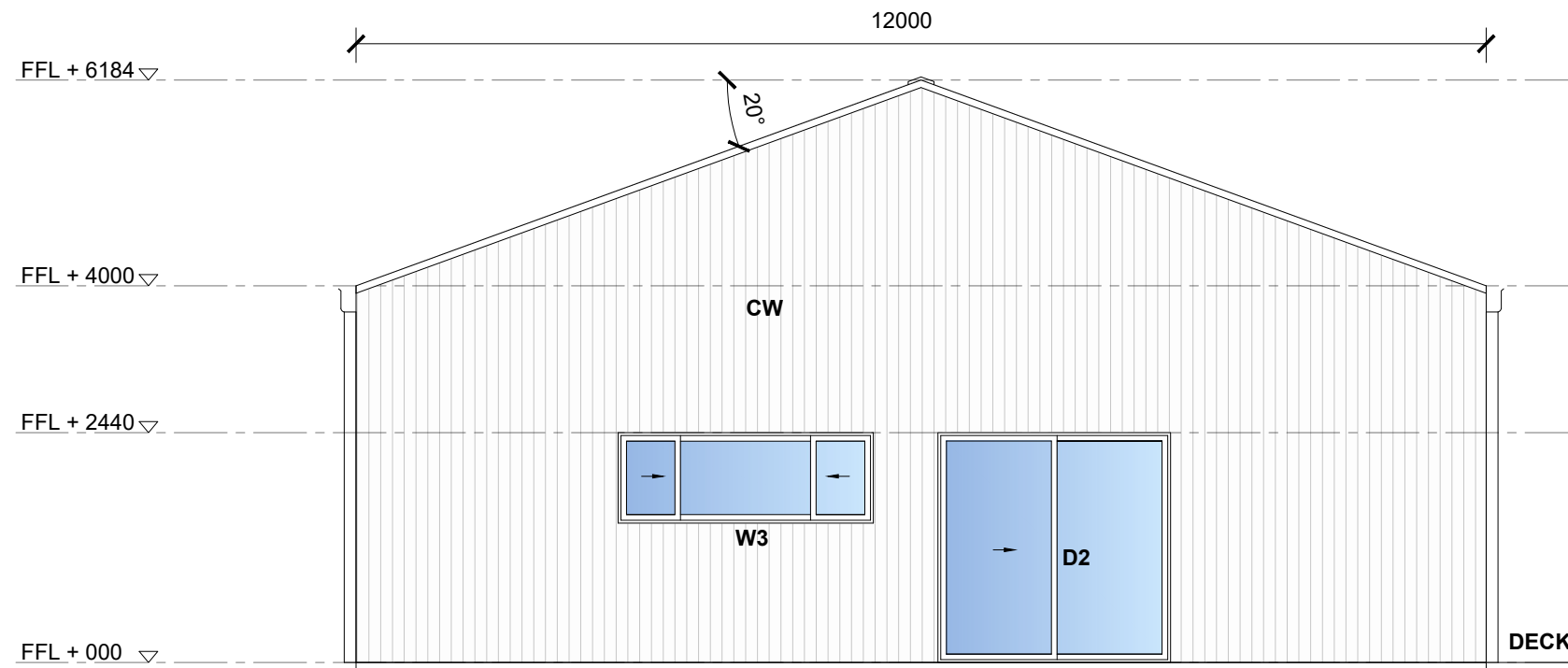
02 WEST ELEVATION
03 Scale 1:75

Copyright for all documents, drawings, designs, and specifications created shall remain the exclusive property of the architect unless otherwise agreed upon. No part of these drawings may be reproduced, distributed, or transmitted in any form or by any means, including but not limited to electronic or mechanical methods, photocopying, recording, or any information storage and retrieval system, without the prior written permission of the Architect.
This document is not to be used for construction unless it is signed and issued for construction

Issue	Revision Description	Date	Issue	Revision Description	Date
	Issued for Development application	05.04.2024			

Project	PROPOSED SHED DESIGN
Address	Lot 03 James creek, NSW



Scale (unless noted otherwise)	Drawn	Checked
GIVEN @ A3	HM	KW
Drawing Title		
SOUTH ELEVATION AND WEST ELEVATION		
Drawing No.	Sheet No.	Issue
A03	03	A

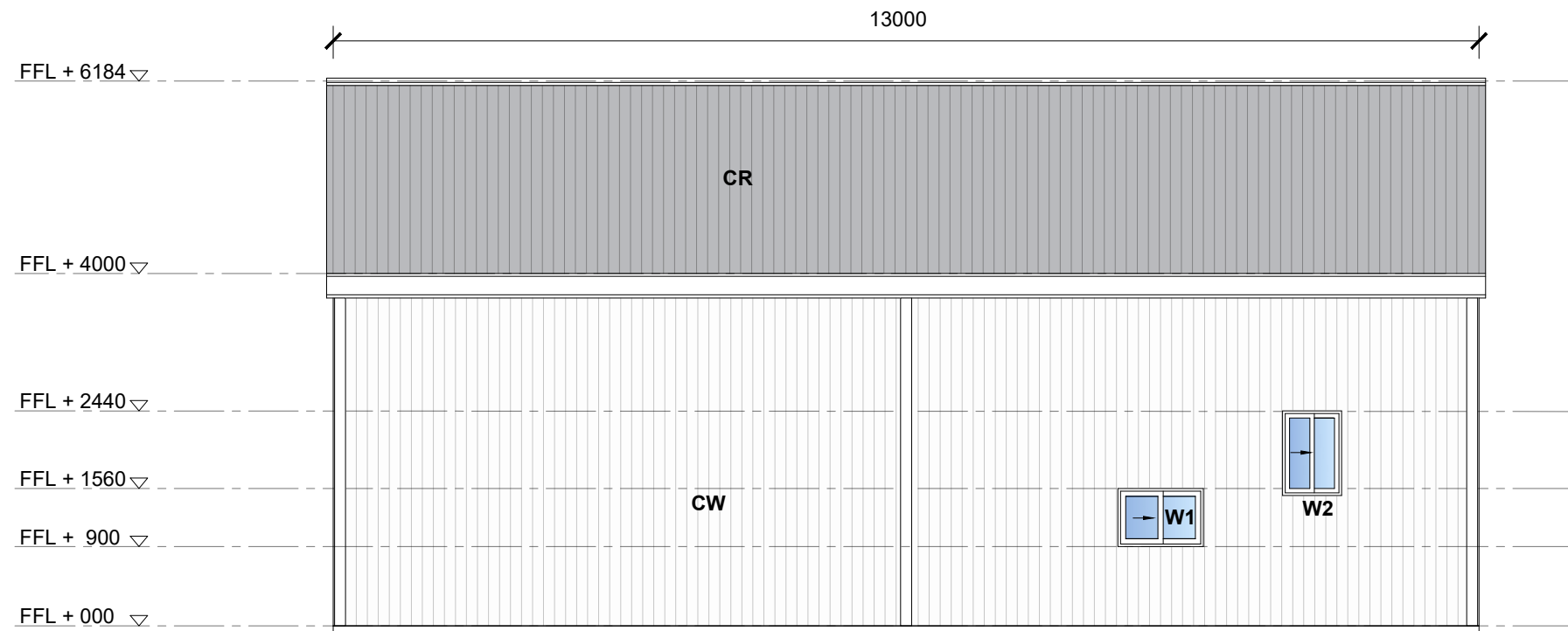


Doors and Windows Schedule			
No.	Width(mm)	Height(mm)	Type
W1	970	660	Sliding window
W2	670	960	Sliding window
W3	2710	960	Sliding window
D2	2470	2440	Sliding glass door

01 NORTH ELEVATION
04 Scale 1:75

EXTERIOR FINISHES :

-  CR Colorbond roofing sheets (Windspray)
-  CW Colorbond clad wall (Surfmist color)



02 EAST ELEVATION
04 Scale 1:75

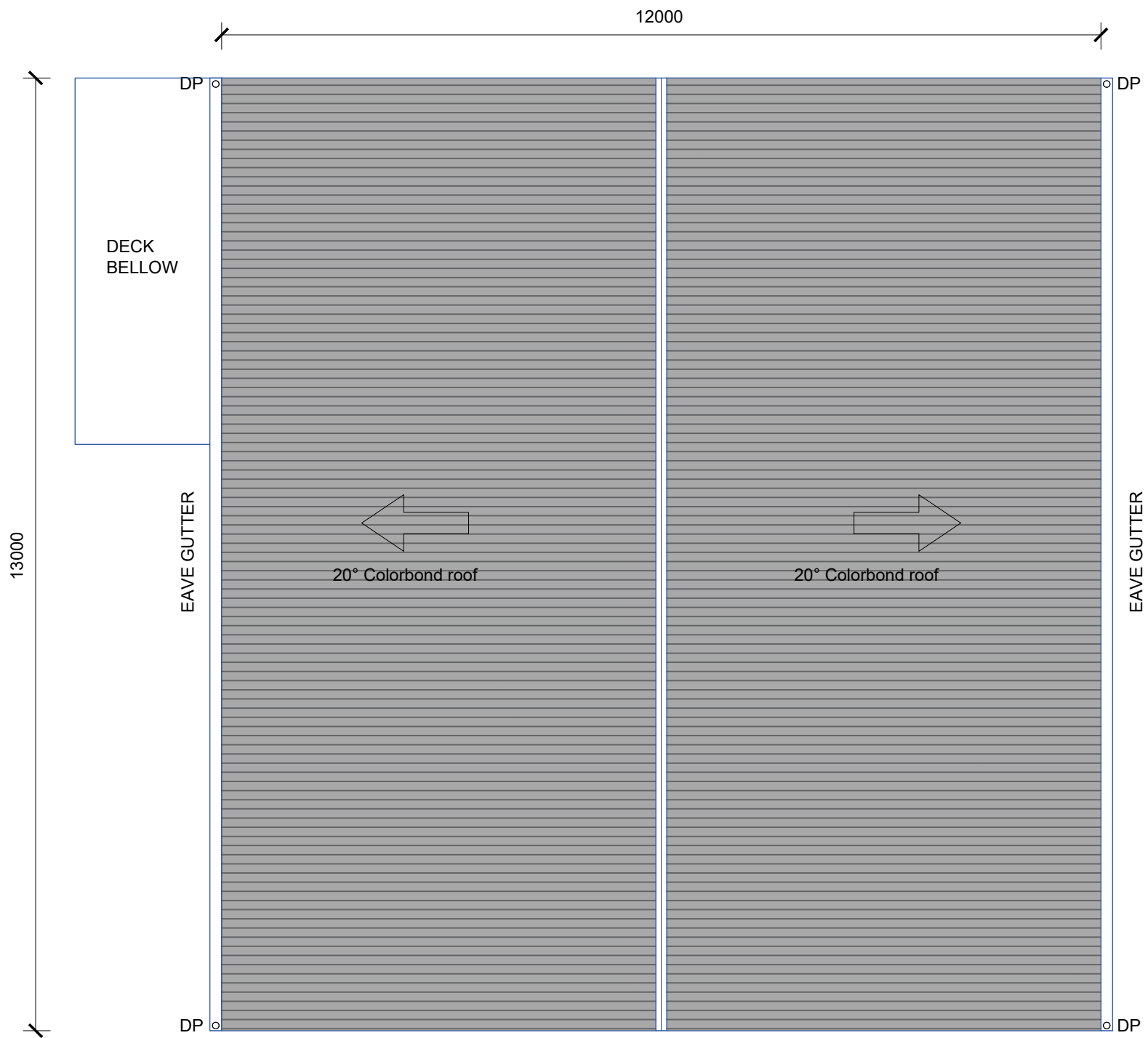
Copyright for all documents, drawings, designs, and specifications created shall remain the exclusive property of the architect unless otherwise agreed upon. No part of these drawings may be reproduced, distributed, or transmitted in any form or by any means, including but not limited to electronic or mechanical methods, photocopying, recording, or any information storage and retrieval system, without the prior written permission of the Architect.

This document is not to be used for construction unless it is signed and issued for construction

Issue	Revision Description	Date	Issue	Revision Description	Date
	Issued for Development application	05.04.2024			

Project	PROPOSED SHED DESIGN
Address	Lot 03 James creek, NSW

Scale (unless noted otherwise)	Drawn	Checked
GIVEN @ A3	HM	KW
Drawing Title		
NORTH ELEVATION AND EAST ELEVATION		
Drawing No.	Sheet No.	Issue
A04	04	A

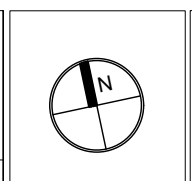


LEGEND :
 DP Down pipe

01 **ROOF PLAN**
 05 Scale 1:75

Copyright for all documents, drawings, designs, and specifications created shall remain the exclusive property of the architect unless otherwise agreed upon. No part of these drawings may be reproduced, distributed, or transmitted in any form or by any means, including but not limited to electronic or mechanical methods, photocopying, recording, or any information storage and retrieval system, without the prior written permission of the Architect.
 This document is not to be used for construction unless it is signed and issued for construction

Issue	Revision Description	Date	Issue	Revision Description	Date
	Issued for Development application	05.04.2024			



Project
 PROPOSED SHED DESIGN
 Address
 Lot 03 James creek, NSW

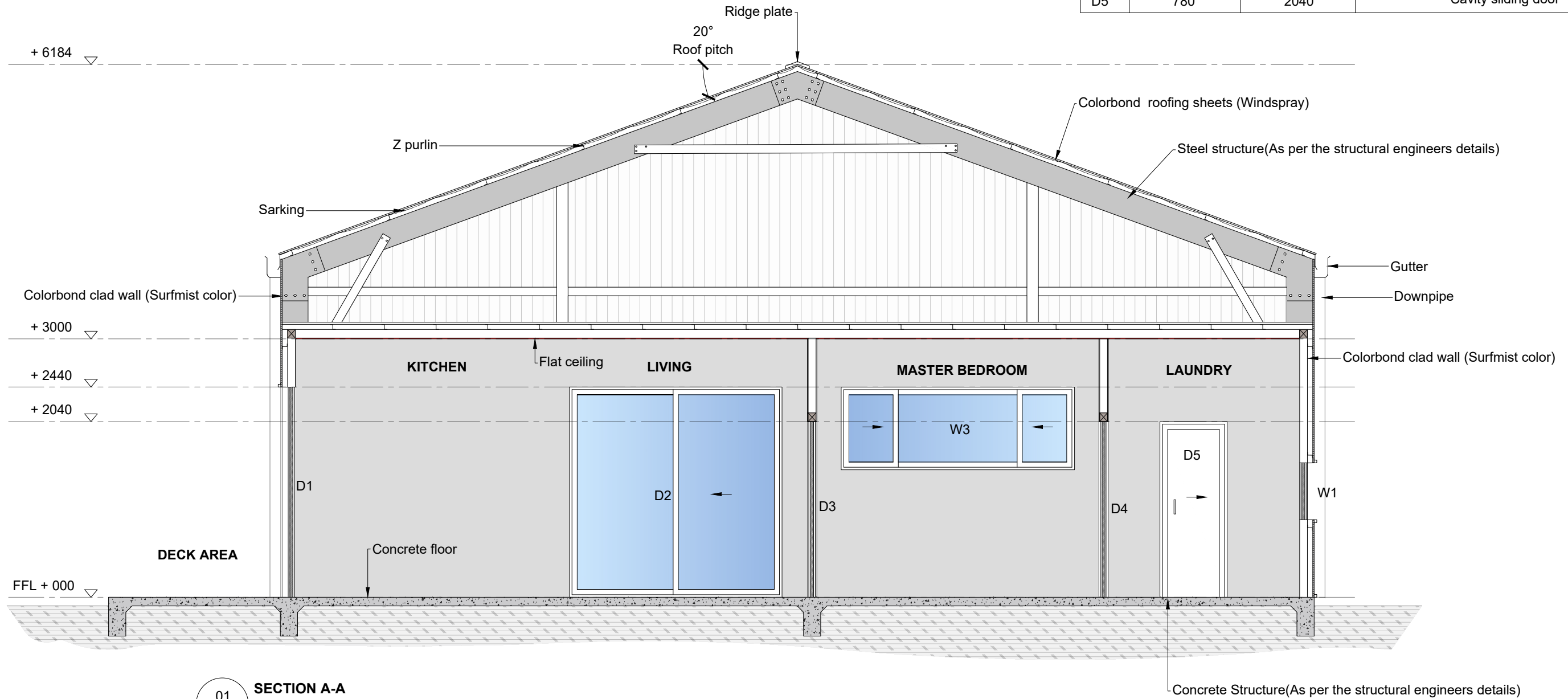
Scale (unless noted otherwise)
 GIVEN @ A3
 Drawing Title
ROOF PLAN
 Drawing No. A05
 Sheet No. 05
 Issue A

Drawn	Checked
HM	KW

NOTE:

- All structures are to be as per Engineer's specifications and details.

Doors and Windows Schedule			
No.	Width(mm)	Height(mm)	Type
W1	970	660	Sliding window
W3	2710	960	Sliding window
D1	980	2440	Sliding glass door
D2	2470	2440	Sliding glass door
D3	880	2080	Cavity sliding door
D4	780	2040	Cavity sliding door
D5	780	2040	Cavity sliding door



01 SECTION A-A
06 Scale 1:50

Copyright for all documents, drawings, designs, and specifications created shall remain the exclusive property of the architect unless otherwise agreed upon. No part of these drawings may be reproduced, distributed, or transmitted in any form or by any means, including but not limited to electronic or mechanical methods, photocopying, recording, or any information storage and retrieval system, without the prior written permission of the Architect.

This document is not to be used for construction unless it is signed and issued for construction

Issue	Revision Description	Date	Issue	Revision Description	Date
	Issued for Development application	05.04.2024			

Project
PROPOSED SHED DESIGN

Address
Lot 03 James creek, NSW

Scale (unless noted otherwise) GIVEN @ A3	Drawn HM	Checked KW
Drawing Title SECTION A-A		
Drawing No. A06	Sheet No. 06	Issue A

PROPOSED LIVEABLE SHED AT LOT 03 JAMES CREEK,NSW

GENERAL

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER PROJECT DOCUMENTS, ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCIES SHALL BE REFERRED TO THE ARCHITECT BEFORE PROCEEDING WITH WORK.
- THE INFORMATION CONTAINED ON THESE DRAWINGS IS SUBJECT TO COPYRIGHT, AND MAY NOT BE COPIED OR REPRODUCED IN ANYWAY WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.
- DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS SHALL BE VERIFIED ON SITE BEFORE CONSTRUCTION/FABRICATION.
- WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT RELEVANT CODES AND STATUTORY REQUIREMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- NO RESPONSIBILITY WILL BE ACCEPTED FOR DRAWING DISCREPANCIES UNLESS THE WORKS ARE FULLY SUPERVISED BY THE ENGINEER.
- DURING CONSTRUCTION THE CONTRACTOR / BUILDER SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING THAT NO PART IS OVER STRESSED DURING STRUCTURE ACTIVITIES.
- ALL REQUIRED INSPECTIONS SHALL BE CONFIRMED 48 HOURS IN ADVANCE OF TIME REQUIRED.
- ALL PROPS AND FORMWORK FOR BEAMS AND SLABS SHALL BE REMOVED BEFORE ANY MASONRY WALLS OR PARTITIONS ARE CONSTRUCTED ON THE BEAM OR SLAB.
- ALL STATED ASSUMPTIONS TO BE VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION BY BUILDING CONTRACTOR AT THIS OFFICE.
- ALL WORK IS TO COMPLY WITH ALL OCCUPATIONAL HEALTH AND SAFETY REGULATIONS. BUILDER IS TO PROVIDE A HEALTH AND SAFETY MANAGEMENT PLAN PRIOR TO COMMENCEMENT OF ANY WORK WHICH WILL INCLUDE, PROTECTION OF PUBLIC SAFETY OF WORKMEN, SCAFFOLD AND HANDRAIL AND WALKWAY REQUIREMENTS, EXCAVATION SHORING, LIFTING PROCEDURES ETC..

SITE WORKS AND MAINTENANCE

- ADEQUATE DRAINAGE SHALL BE PROVIDED TO PREVENT WATER PONDING OR COLLECTING ADJACENT TO THE WORKS. LANDSCAPE AND IRRIGATION WORKS SHALL NOT BE LOCATED AGAINST THE BUILDING PERIMETER. SATURATION OF GROUND FOR LANDSCAPING IS NOT PERMITTED.

- TRENCHES UNDER OR ADJACENT TO THE WORKS SHALL BE BACKFILLED WITH COMPACTED CLAY OR CONCRETE.
- TRENCHES PARALLEL TO THE EDGE OF A STRUCTURE SHALL BE OFFSET A DISTANCE AT LEAST EQUAL TO THE DEPTH OF THE TRENCH EXCAVATION.
- ROOF GUTTERS, DOWN PIPES, STORM WATER AND SEWERAGE DRAINAGE SHALL BE MAINTAINED TO PREVENT OVERFLOWS. ANY LEAKS SHALL BE PROMPTLY REPAIRED.
- THE PLANTING OF TREES AND LARGE SHRUBS AND GENERAL SITE MAINTENANCE SHALL COMPLY WITH THE REQUIREMENTS OF AS2870 AND CSIRO PUBLICATION SHEET 10-91 "GUIDE TO HOME OWNERS ON FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE". THE BUILDER SHALL NOTIFY THE OWNER OF THESE REQUIREMENTS.

FOUNDATIONS

- WORK AND MATERIAL MUST COMPLY WITH AS2870 & AS3798.
- FOUNDING DEPTHS OR REDUCED LEVELS TO UNDERSIDE OF FOOTINGS SHOWN ON THE DRAWINGS ARE FOR TENDERING PURPOSES ONLY. ALL EXCAVATIONS SHALL BE APPROVED BY THE ENGINEER BEFORE PLACEMENT OF BLINDING CONCRETE AND / OR REINFORCEMENT.
- REFER TO THE GEOTECHNICAL NOTE AND THE SITE INVESTIGATION REPORT FOR ALL FOOTING BEARING CAPACITY AND FOUNDING REQUIREMENTS.
- IN ACCORDANCE WITH AS2870-2011 THE SITE IS CLASSIFIED AS CLASS P DUE TO THE PRESENCE OF FILL GREATER THAN 0.4m DEEP. THE FILL IS UNDERSTOOD TO HAVE BEEN PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF LEVEL 1 AS SPECIFIED IN AS3798-2007 AND CAN THEREFORE BE RECLASSIFIED. BASED ON THE ABOVE, THE SITE IS RECLASSIFIED AS **CLASS 'M'** (MODERATELY REACTIVE) IN ACCORDANCE WITH AS2870-2011 WITH A PREDICTED CHARACTERISTIC SURFACE MOVEMENT OF YS=40mm. REFER TO THE GEOTECHNICAL REPORT FOR FURTHER DETAILS.
- EXCESS DEPTHS AND WIDTHS IN THE FOUNDATION EXCAVATIONS BEYOND THE DIMENSIONS SPECIFIED, SHALL BE FILLED WITH BLINDING CONCRETE AT THE CONTRACTORS EXPENSE. THE CONCRETE FILL SHALL NOT BE BONDED TO THE FOUNDATION UNLESS APPROVED BY THE ENGINEER.
- STRIP ALL TOPSOIL AND VEGETATION FROM SLAB SITE. PARTICULAR ATTENTION SHOULD BE PAID TO CAST-IN FIXTURES, CONDUITS, UNDER SLAB SERVICES ETC.
- THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT MUST ALWAYS BE ADHERED TO DURING SITE PREPARATION AND FILL PLACEMENT.

- UNLESS SPECIFIED AS "SUSPENDED" FILLING UNDER ALL CONCRETE SLABS ON GROUND SHALL BE AS FOLLOWS : THE 50mm IMMEDIATELY BELOW THE SLAB SHALL BE AN APPROVED SAND OF MAXIMUM PARTICLE SIZE OF 1.0mm AND THOROUGHLY COMPACTED. BELOW THIS, WHERE REQUIRED TO BUILD UP TO CORRECT LEVEL, OR TO REPLACE SUBGRADE, THE FILL SHALL BE AN APPROVED GRAVEL, FINE CRUSHED ROCK, AND SITE DERIVED OR OTHER IMPORTED MATERIAL. ALL MATERIALS ARE TO BE PLACED AND COMPACTED IN 150 THICK LAYERS TO 98% STANDARD COMPACTION. COMPACTION IS TO BE CARRIED OUT AT OPTIMUM MOISTURE CONTENT. GEOTECH TESTING OF COMPACTION IS TO BE PROVIDED.
- CONCRETE SLABS CAST ON GROUND INCLUDING WHERE CAST ON CARDBOARD FORMERS SHALL HAVE A 0.2mm POLYTHENE MEMBRANE UNDER THE WHOLE SURFACE LAPPED 200mm UNDER AND TAPED AT ALL EDGES.
- IF SITE EXCAVATIONS REVEAL SUB SURFACE CONDITIONS VARYING FROM THOSE DOCUMENTED THE GEOTECHNICAL ENGINEER SHALL BE CONTACTED IMMEDIATELY TO CARRY OUT FURTHER TESTING TO CONFIRM OR REVISE THEIR CONCLUSIONS AND RECOMMENDATIONS.
- REFER TO ARCHITECTS SPECIFICATION AND DETAILS FOR TERMITE PROTECTION REQUIREMENTS.
- THE GROUND SURROUNDING THE SLAB SHALL HAVE ITS SURFACE AT LEAST 150mm LOWER THAN THE SLAB SURFACE AND BE GRADED AWAY FROM THE SLAB EDGE TO THE SITE DRAINAGE SYSTEM.
- OWNERS SHALL MAINTAIN THE SLAB AS NOTED IN APPENDIX 'B' OF AS2870 AND IN THE C.S.I.R.O. PUBLICATION "GUIDE TO HOMEOWNERS ON FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE." IT IS THE BUILDERS RESPONSIBILITY TO ENSURE THAT THE OWNER IS INFORMED OF THESE REQUIREMENTS.

CONCRETE

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600
- CONCRETE PROPERTIES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE :

ELEMENT	MIN. GRADE (UNLESS NOTED)	SLUMP (mm)
BLINDING & MASS CONCRETE	N15	100
FOOTINGS	N32	100
SLABS ON GROUND	N32	100

- SPLICES IN REINFORCEMENT SHALL BE MADE ONLY AT THE LOCATIONS AND TO DETAILS SHOWN ON THE STRUCTURAL DRAWINGS. WHERE SPLICES ARE NOT SHOWN BUT APPROVED BY THE ENGINEER, THE SPLICE SHALL CONFORM TO AS3600 PROVISIONS. TRENCH MESH REINFORCEMENT IN STRIP FOOTINGS OR SLAB RIBS IS TO BE FULLY LAPPED AT ALL INTERSECTIONS AND CORNERS.
- CONCRETE COVER UNLESS NOTED OTHERWISE SHALL BE AS FOLLOWS

ELEMENT	SHELTERED FORMWORK	EXPOSED TO GROUND WATER & WEATHER	OTHER
PADS	-	65mm	75mm
STRIP FOOTINGS	-	50mm	50mm
SLABS & STAIRS	25mm	35mm	-

- WHERE REINFORCEMENT IS CONTINUOUS THROUGH A POUR BREAK, SCABBLE AND CEMENT SLURRY THE OLD FACE BEFORE POURING AGAINST IT.
- CONDUITS, PIPES ETC, MUST NOT BE PLACED WITHIN THE CONCRETE COVER.
- BACKPROPS SHALL REMAIN IN PLACE UNTIL 28 DAYS AFTER CASTING OF THE SLAB. FORMWORK AND PROPS SHALL BE DESIGNED BY THE CONTRACTOR BASED ON A MAXIMUM UNSUPPORTED SLAB WIDTH OF 1.8M. TRANSFER ALL PROPPING FORCES ON TO THE GROUND OR FOUNDATIONS.
- ALL REINFORCEMENT SHALL BE SUPPORTED BY APPROVED BAR CHAIRS, SPACERS OR TIES AS REQUIRED TO PROVIDE ADEQUATE SUPPORT DURING CONCRETE PLACEMENT.
- ALL FORMWORK, INCLUDING STRIPPING OF FORMWORK,SHALL CONFORM TO AS3610.

DRAWING NO.	DRAWING LIST	SHEET NO.
A00	COVER PAGE & NOTES	01
A01	NOTES	02
A02	FOUNDATION LAYOUT	03
A03	FOUNDATION DETAILS	04
A04	PORTAL FRAME 2 & 3	05
A05	PORTAL FRAME 1	06
A06	PORTAL FRAME 4	07
A07	PORTAL FRAME CONNECTIONS	08
A08	ATTIC FLOOR DETAILS	09
A09	ROOF FRAME	10
A10	ROOF BRACING	11
A11	WALL BRACING	12

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WELKIN SERVICES PTY LTD. REPRODUCTION OR DISTRIBUTION IN ANY FORM, INCLUDING ELECTRONIC OR MECHANICAL METHODS, IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND ISSUED FOR CONSTRUCTION.

#	REVISION DESCRIPTION	ISSUE	DATE
00	PRELIMINARY ISSUE	A	11/10/2024

CLIENT
JACK MURPHY

PROJECT
ENGINEERING DESIGN FOR PROPOSED SHED

ADDRESS
LOT 003 JAMES CREEK, NSW

SCALE (U.N.O)
NTS

DRAWN
TC

CHECKED
KW

DRAWING TITLE
COVER PAGE & NOTES

DRAWING NO. SHEET NO. ISSUE
A00 01 A

- CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND USED ONLY WHERE APPROVED BY THE ENGINEER.

- ADMIXTURES ARE NOT TO BE USED UNLESS APPROVED BY THE ENGINEER.

- WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER.

- PROVIDE 3 N12 X 2000 LONG DIAGONALLY ACROSS THE CORNERS OF OPENINGS AND RE-ENTRANT CORNERS OF SLABS TIED UNDER THE TOP FABRIC.

- CONCRETE FLOOR CRACKING DUE TO SHRINKAGE IS INEVITABLE. SUCH CRACKING GENERALLY OCCURS IN THE INITIAL 18 MONTH PERIOD FOLLOWING CONSTRUCTION AND WILL NOT AFFECT THE LONG TERM STRUCTURAL PERFORMANCE OF THE SLAB. BRITTLE FLOOR TILES SHOULD BE FASTENED WITH A FLEXIBLE ADHESIVE.

- ALL CONCRETE SLAB ON GROUND SHALL BE CURED WITH AN APPROVED CURING COMPOUND WITHIN 2 DAYS OF PLACEMENT.

- STRIPPING OF FORMS AND REMOVAL OF FORMWORK SHALL TAKE PLACE IN ACCORDANCE WITH THE PROCEDURE AGREED WITH THE ENGINEER.

- CONCRETE MUST BE SEPARATED FROM SUPPORTING BRICKWORK BY TWO LAYERS OF A SUITABLE DE-BONDING MEMBRANE.

- MAXIMUM CONCRETE SHRINKAGE AT 56 DAYS TO AS3600.

SLAB ON GROUND

- ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH AS3600 AND ALL CODES REFERRED TO THEREIN.

- STRIP ALL ORGANIC MATERIAL AND TOP SOIL AND OTHER RUBBISH.

- AFTER PROOF ROLLING THE PREPARED SUBGRADE TO ACHIEVE 98% COMPACTION EXCAVATE ANY SOFT SPOTS OR TREE ROOTS AND BACKFILL WITH APPROVED GRANULAR MATERIAL EG. CRUSHED ROCK. LAY FILL DOWN IN 150mm THICK LAYERS AND COMPACT TO 98% STANDARD COMPACTION.

- LAY FILL MATERIAL AS REQUIRED TO OBTAIN FLOOR LEVEL. FILL TO BE AN APPROVED GRANULAR MATERIAL LAID DOWN IN 150 THICK LAYERS AND COMPACTED TO 98% STANDARD COMPACTION AS SPECIFIED ON NOTE "FOUNDATION".

- LAY POLYTHENE, LAP AND TAPE ALL JOINTS.

- WET CURE CONCRETE FOR 7 DAYS AFTER POURING.

- GRADE SURROUNDING GROUND AWAY FROM SLAB EDGE. NO TREES ARE TO BE PLANTED CLOSER TO THE SLAB EDGE THAN THEIR HEIGHT WHEN FULLY GROWN AS SPECIFIED IN NOTE "SITE WORK AND MAINTENANCE".

- CONCRETE COVER TO ALL REINFORCEMENT IN CONCRETE CAST AGAINST IMPERVIOUS MEMBRANE TO BE 30mm.

- ALL CONCRETE PLACED IN POSITION IS TO BE ADEQUATELY VIBRATED USING MECHANICAL VIBRATORS.

- VERIFY ALL RIB FOUNDING DEPTHS ON SITE

TIMBER NOTES

- MATERIALS AND WORKMANSHIP SHALL COMPLY WITH AS1720.1 TIMBER ENGINEERING CODE AS1684 LIGHT TIMBER FRAMING CODE,

- ALL TIMBER USED SHALL HAVE BEEN STRESS GRADED BY VISUAL OR MECHANICAL MEANS IN ACCORDANCE WITH THE APPROPRIATE AUSTRALIAN STANDARDS,

- HOLES FOR BOLTS, UNLESS OTHERWISE DETAILED, SHALL BE MADE OVERSIZE AS FOLLOWS:

BOLT DIAMETER 15mm OR LESS -2mm OVERSIZE

BOLT DIAMETER 16mm AND GREATER -3mm OVERSIZE

- SHANK AND THREAD OF BOLTS SHALL BE THOROUGHLY COATED WITH A HEAVY WATERPROOF GREASE BEFORE INSERTING IN TO THE TIMBER.

- SPECIALISED METAL FASTENERS SUCH AS GANG-NAIL PLATES, TRIP-L-GRIP ETC.

- SHALL BE OF PROVEN TYPE AND SHALL HAVE HAD WORKING LOADS DETERMINED IN ACCORDANCE WITH THE PROCEDURE SPECIFIED IN AS1649, AT THE PRACTICAL COMPLETION OF THE CONTRACT, AND AGAIN AT THE END OF THE MAINTENANCE PERIOD AND IF NECESSARY DURING THAT PERIOD THE CONTRACTOR SHALL RE-TIGHTEN ALL BOLTS TO APPROVAL, BOLTS THAT WILL BE INACCESSIBLE AFTER COMPLETION OF THE PROJECT, SHALL BE RE-TIGHTENED IMMEDIATELY PRIOR TO BEING BUILT IN. EDGE DISTANCES FOR FASTENERS IN TIMBER (FROM ENDS AND SIDES) SHALL BE IN ACCORDANCE WITH AS1720,1 UNLESS NOTED OTHERWISE,

- MAKE GOOD PRESERVATIVE TREATMENT WHERE CHECKOUTS, HOLES AND CUTS EXPOSE UNTREATED TIMBER.

- ALL EXTERNAL TIMBERS SHALL BE DURABLE, SUITABLE FOR EXTERNAL USE AND COMPLY WITH THE APPROPRIATE HAZARD LEVEL FOR SPECIFIC SERVICE CONDITIONS.

- GLUED LAMINATED BEAMS SHALL BE MANUFACTURED IN ACCORDANCE WITH AS1328. CAMBER SHALL BE AS NOTED ON THE DRAWINGS OR AS SPECIFIED, AND INSTALLED WITH HOG UP. BEAMS FOR EXTERNAL USE SHALL BE FABRICATED USING RESORCINOL OR PHENOLIC ADHESIVE.

- ALL PROPRIETARY FIXINGS SHALL BE INSTALLED TO DEVELOP THEIR MAXIMUM CAPACITY AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

STEELWORK

- CORROSION PROTECTION OF STEELWORK SHALL BE AS FOLLOWS

- STEELWORK PERMANENTLY EXPOSED TO WEATHER OR AGGRESSIVE ENVIRONMENT INCLUDING ALL LINTELS IN EXTERNAL WALLS SHALL BE HOT DIPPED GALVANIZED.

- ALL OTHER STEELWORK UNLESS NOTED OTHERWISE SHALL HAVE A 70 MICRON THICKNESS OF R.O.Z.C. COATING. SURFACE PREPARATION SHALL BE CLASS 2.5 TO THE REQUIREMENTS OF AS1627.

- ALL STEELWORK BELOW GROUND SHALL BE PAINTED WITH EPOXY BITUMEN AND ENCASED IN MINIMUM 75mm OF CONCRETE.

- THE BOLTING PROCEDURE IS DESIGNATED AS FOLLOWS

- 4.6/S REFERS TO COMMERCIAL BOLTS, GRADE 4.6 TO AS1111 TIGHTENED TO A SNUG TIGHT CONDITION USING A STANDARD WRENCH.

- 8.8/S REFERS TO HIGH STRENGTH BOLTS, GRADE 8.8 TO AS1252 FULLY TENSIONED TO SNUG TIGHT CONDITION USING A STANDARD WRENCH.

- 8.8/TF REFERS TO HIGH STRENGTH BOLTS, GRADE 8.8 TO AS1252 FULLY TENSIONED TO AS1511, FRICTION TYPE JOINT. TIGHTENING OF 8.8/TF BOLTS SHALL BE BY "TURN OF THE NUT" METHOD. THE PREFIX DENOTES THE NUMBER OF BOLTS 2-M20 4.6/S.

- ALL BOLTS SHALL BE OF SUCH LENGTH THAT AT LEAST ONE FULL THREAD IS EXPOSED BEYOND THE NUT AFTER TIGHTENING.

- PROVIDE A MINIMUM OF ONE WASHER UNDER THE NUT IN ALL SITUATIONS

- UNLESS NOTED OTHERWISE ON THE DRAWINGS:

- ALL CLEATS TO BE 10mm THICK.
- WELDING ELECTRODES SHALL BE E41XX. WELD CATEGORY SHALL BE "SP" AS SPECIFIED IN AS1554.

- WELDING CONSUMABLES SHALL BE OF THE LOW HYDROGEN TYPE.

- 2M20 4.6/S GALVANISED CONNECTORS MINIMUM PER CONNECTION.

- BOLT HOLE CLEARANCE TO BE 2mm, EXCEPT HOLDING DOWN BOLTS TO BE 6mm.

- ALL BUTT WELDS TO BE QUALIFIED FULL PENETRATION BUTT WELDS.

- ALL FILLET WELDS TO BE MINIMUM 8mm CONTINUOUS.

- ALL BOLTS SHALL BE GALVANIZED.

- CONNECTIONS NOT SPECIFICALLY SHOWN SHALL BE IN ACCORDANCE WITH THE A.I.S.C. STANDARDIZED STRUCTURAL CONNECTIONS.

- COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW NOT LESS THAN 28 DAYS PRIOR TO COMMENCEMENT OF FABRICATION WITH ALL VARIATIONS CLEARLY MARKED. REVIEW DOES NOT INCLUDE CHECKING OF DIMENSIONS.

- A SPACE OF 25mm BETWEEN ALL STEELWORK BEARING ON CONCRETE OR BRICK SHALL BE LEFT FOR CAULKING WITH 1.5:1 SAND/CEMENT MORTAR OF DAMP EARTH CONSISTENCY.

- PURLINS AND GIRTS ARE TO BE BHP BUILDING PRODUCTS OR STRAMMIT COMPLYING WITH A.I.S.C. STANDARDISED CONNECTIONS OR ANUFACTURERS RECOMMENDATIONS UNLESS NOTED OTHERWISE. BOLTING AND BRIDGING TO BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

- PROVIDE MINIMUM 150MM END BEARING FOR BEAMS ON MASONRY UNLESS NOTED OTHERWISE.

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS4100. FABRICATE & ERECT THE STRUCTURAL STEEL WORK IN ACCORDANCE WITH CURRENT REVISIONS OF AS4100, AS1554 PARTS 1&2, AND AS1101 PART 3.

- UNLESS NOTED OTHERWISE ALL STRUCTURAL STEEL SHALL BE:

- GRADE 250 HOT ROLLED PLATES & FLATS.
- GRADE 300 PLUS UB, UC, PFC, TEB, EA & UA.
- GRADE 300 WB, WC
- GRADE 350 RHS, SHS & CHS,

TEMPORARY PROPPING NOTE

ALL STRUCTURAL STEEL TO BE ADEQUATELY PROPPED AND TO REMAIN PROPPED UNTIL ALL BRACING ELEMENTS ARE FULLY INSTALLED. PROPS MAY ONLY BE REMOVED ONCE STRUCTURE HAS BEEN INSPECTED AND APPROVED BY ENGINEER AND OR BUILDING SURVEYOR

GENERAL NOTE - BOUNDARY PROTECTION

- NO WORK IS TO EXTEND OVER THE BOUNDARY LINE.
- NO WORK IS TO BE CARRIED OUT IN THE AIRSPACE OVER THE BOUNDARY LINE WITHOUT THE ADJOINING OWNER'S CONSENT.
- BUILDER TO ENSURE THAT THE CURRENT CONDITION OF NEIGHBORING LANDSCAPE AND/OR EXISTING VEGETATION ARE MAINTAINED DURING CONSTRUCTION.
- BUILDER TO VERIFY SOIL CONDITIONS BELOW BASEMENT LEVEL IS SIMILAR TO THAT NOTED IN SOIL REPORT BY THE GEOTECHNICAL ENGINEER.

DESIGN SPECIFICATIONS:

THE FOLLOWING DESIGN LOADS ARE CONSIDERED WHILE CARRYING OUT THE DESIGN

DEAD / SUPERIMPOSED LOADS:

COMPONENTS	LOADS
LIVING/ BED/ GUEST/ DINING (PARTICLE OR H/W FLOOR BOARDS + CARPET + 10mm PLASTERBOARD CEILING)	0.50 kPa
KITCHEN/ BATH/ LAUNDRY/ DECK (TILES + 19mm FC SHEET + WATER PROOFING + 10mm PLASTERBOARD CEILING)	1.20 kPa
ROOF (ROOF SHEET + PURLINS + 10mm PLASTERBOARD CEILING)	0.50 kPa

LIVE / IMPOSED LOADS:

COMPONENTS	LOADS
FLOOR	1.5kPa OR 1.8kN
ATTIC / DECK	1.5kPa OR 1.5kN
ROOF	0.25kPa

WIND LOADS ARE CALCULATED IN ACCORDANCE WITH AS1170.2 AND AS1170.0. THE FOLLOWING CRITERIA IS APPLIED:

TERRAIN CATEGORY	3
PROBABILITY OF EXCEEDANCE	1/500
REGION	B

WIND CLASSIFICATION ACCORDING TO AS4055-2012 IS "N2"

EARTHQUAKE LOADS ARE CALCULATED IN ACCORDANCE WITH AS1170.4. THE FOLLOWING CRITERIA IS APPLIED:

IMPORTANCE LEVEL	2
PROBABILITY OF EXCEEDANCE	1/500
PROBABILITY FACTOR	1.0
HAZARD FACTOR	0.05
SITE SUBSOIL CLASS	Ce
EARTHQUAKE DESIGN CATEGORY	1.0



THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DOCUMENTATION

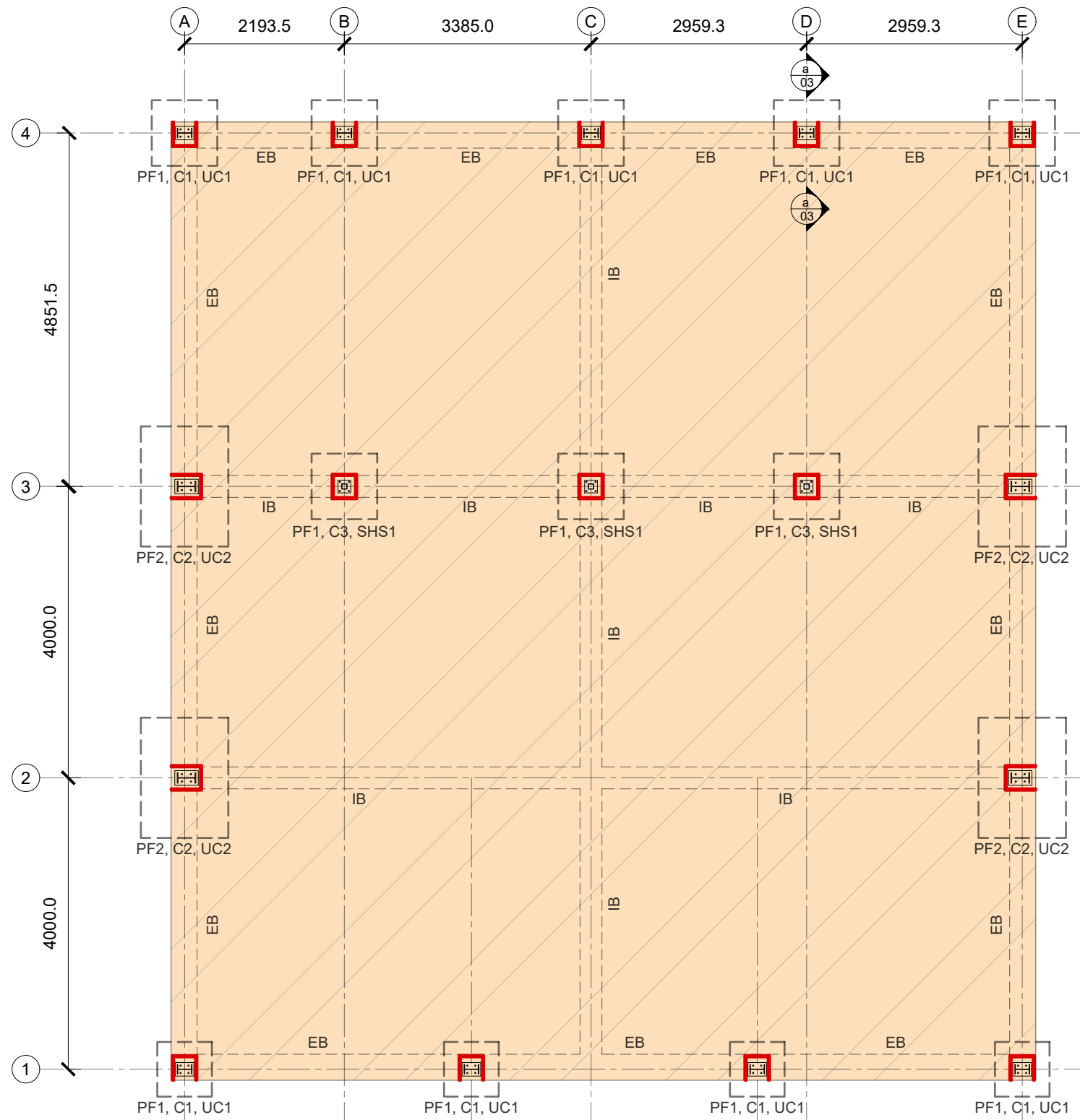
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH STRUCTURAL DOCUMENTATION

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WELKIN SERVICES PTY LTD. REPRODUCTION OR DISTRIBUTION IN ANY FORM, INCLUDING ELECTRONIC OR MECHANICAL METHODS, IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND ISSUED FOR CONSTRUCTION.

00	PRELIMINARY ISSUE	A	11/10/2024
#	REVISION DESCRIPTION	ISSUE	DATE

CLIENT	JACK MURPHY
PROJECT	ENGINEERING DESIGN FOR PROPOSED SHED
ADDRESS	LOT 003 JAMES CREEK, NSW

SCALE (U.N.O)	NTS
DRAWN	TC
CHECKED	KW
DRAWING TITLE	
NOTES	
DRAWING NO.	A01
SHEET NO.	02
ISSUE	A

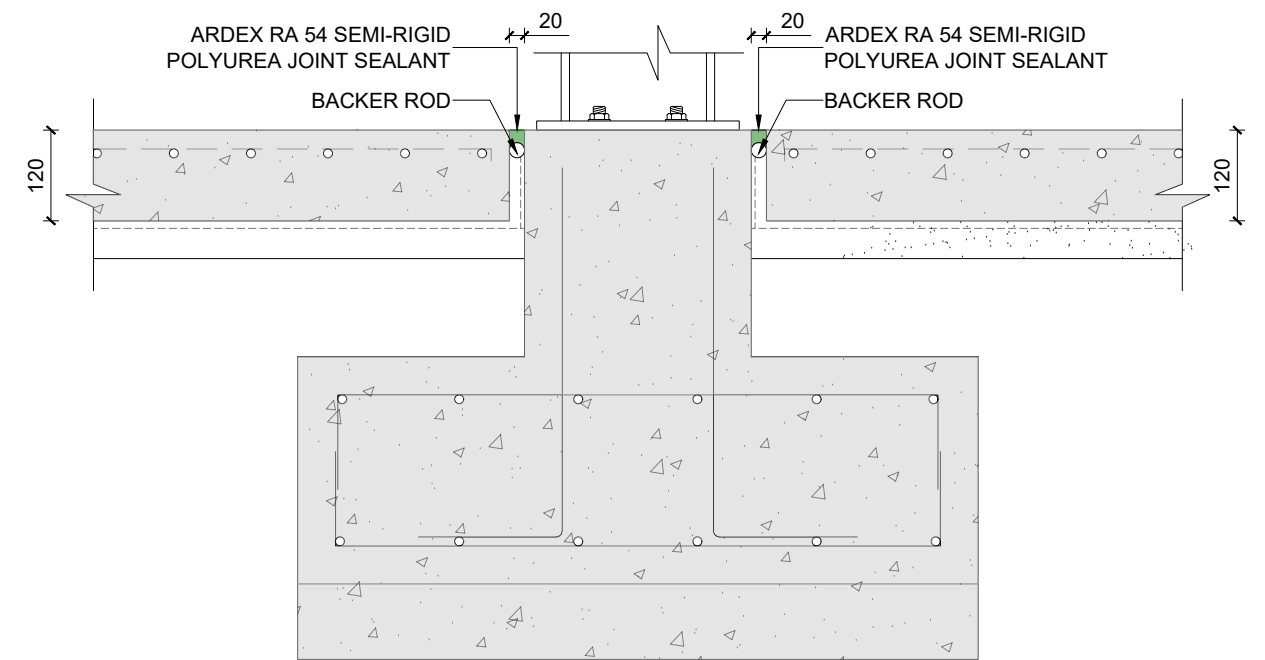


LEGEND

- 120 SOG - 120mm THICK SLAB ON GROUND
SL82 MESH TOP (25mm COVER),
BAR CHAIRS AT 800 MAX. CTS.
 $f_c = 32\text{MPa}$,
ON 0.2mm POLYTHENE MEMBRANE
ON 50 THICK PACKING SAND
- ISOLATION JOINT

NOTES

- THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT MUST ALWAYS BE ADHERED TO DURING SITE PREPARATION AND FILL PLACEMENT.
- IF THE BUILDER OBSERVES ANY DEVIATION IN GROUND CONDITIONS FROM THOSE SPECIFIED IN THE GEOTECHNICAL REPORT, THEY MUST PROMPTLY NOTIFY THE ENGINEER FOR POTENTIAL MODIFICATIONS.
- GRADE OF CONCRETE - N32
- REFER TO "CONCRETE" NOTES FOR REINFORCEMENT COVER DETAILS
- ALL STEEL TO BE PROVIDED IN GRADE 300
- TIMBER AND STEEL TO BE FIRE RATED
- STUB COLUMN AT EACH PORTAL FRAME COLUMN LOCATION (REFER SECTIONS FOR THE DETAIL)
- ALL FOOTINGS INCLUDING EDGE / INTERNAL BEAMS SHOULD BE FOUNDED BEYOND THE TOP SOIL, LOOSE / SOFT NATURAL MATERIAL AND FILL PLACED UNDER LEVEL1 (AS SPECIFIED IN THE GEOTECHNICAL REPORT), ANY UNCONTROLLED FILL MATERIALS, OR DISTURBED GROUND WHICH IS APPROXIMATELY 450mm BELOW THE EXISTING GROUND LEVEL ACCORDING TO THE BORE HOLE DETAILS. ANY DEVIATION SHALL BE INFORMED TO THE ENGINEER FOR MODIFICATIONS.



ISOLATION JOINT DETAIL
SCALE 1:10

01 GENERAL ARRANGEMENT OF GROUND FLOOR

02 Scale 1:75

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WELKIN SERVICES PTY LTD. REPRODUCTION OR DISTRIBUTION IN ANY FORM, INCLUDING ELECTRONIC OR MECHANICAL METHODS, IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND ISSUED FOR CONSTRUCTION.

00	PRELIMINARY ISSUE	A	11/10/2024
#	REVISION DESCRIPTION	ISSUE	DATE

CLIENT
JACK MURPHY

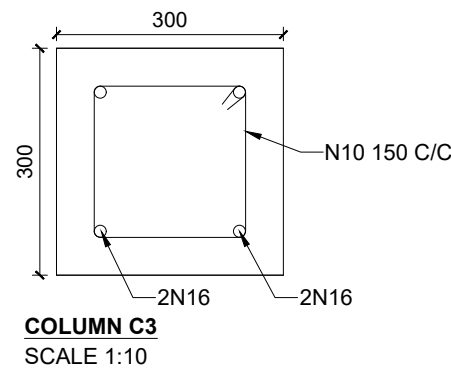


PROJECT
ENGINEERING DESIGN FOR PROPOSED SHED

ADDRESS
LOT 003 JAMES CREEK, NSW

SCALE (U.N.O) GIVEN @ A3	DRAWN TC	CHECKED KW
DRAWING TITLE FOUNDATION LAYOUT		
DRAWING NO. A02	SHEET NO. 03	ISSUE A

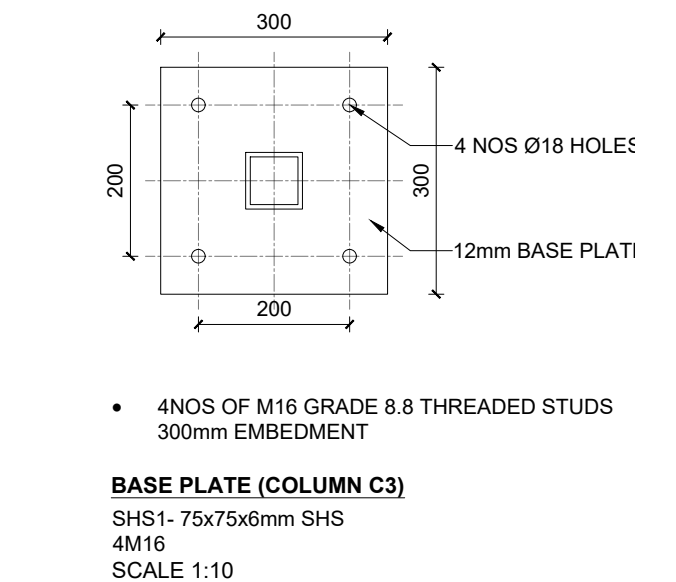
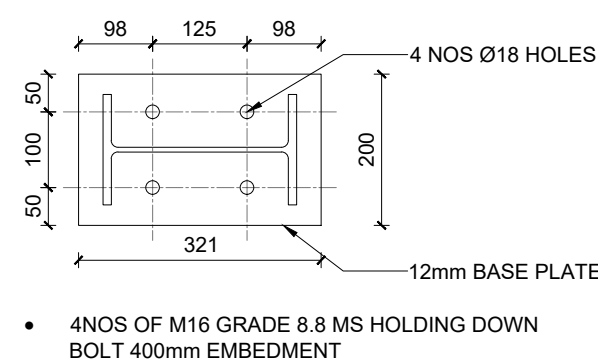
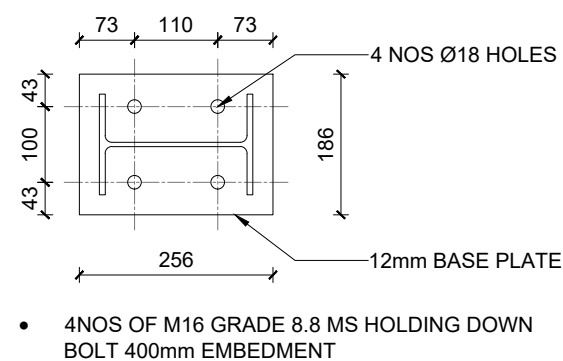
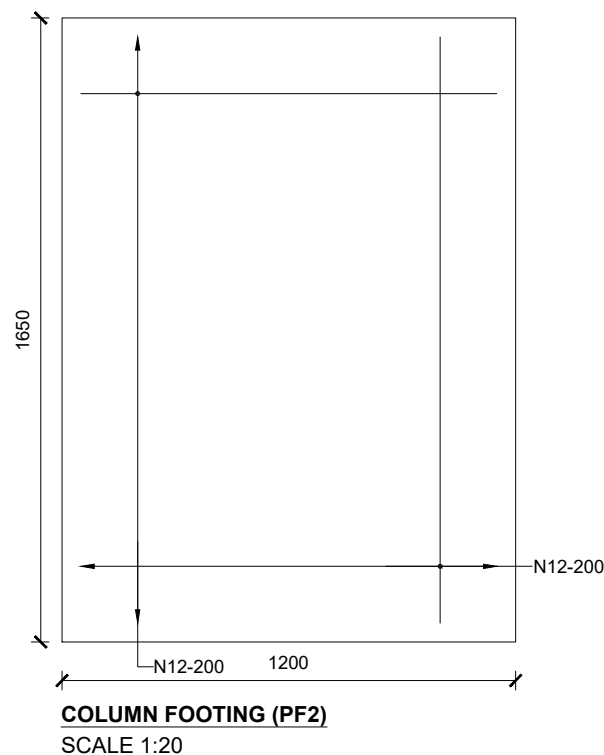
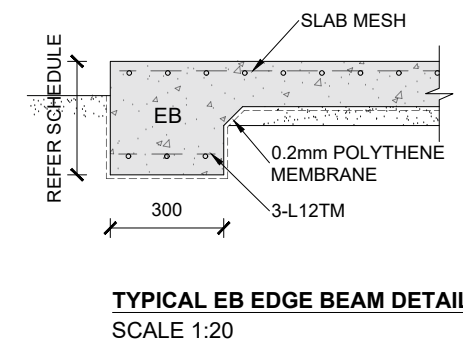
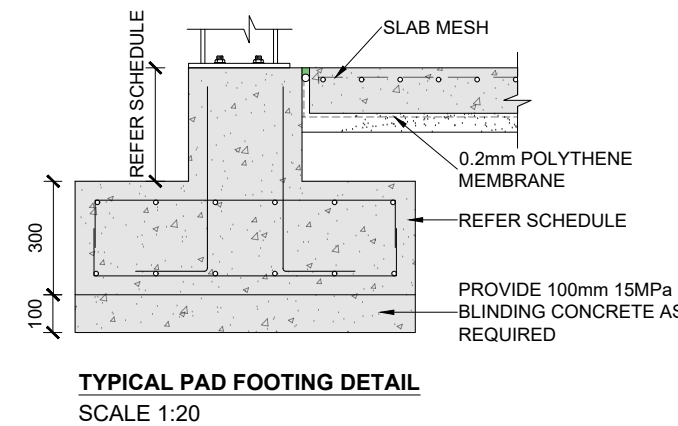
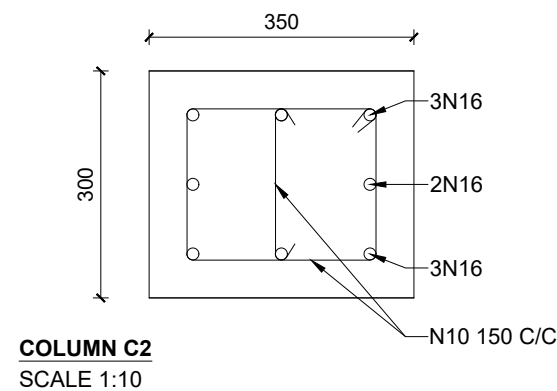
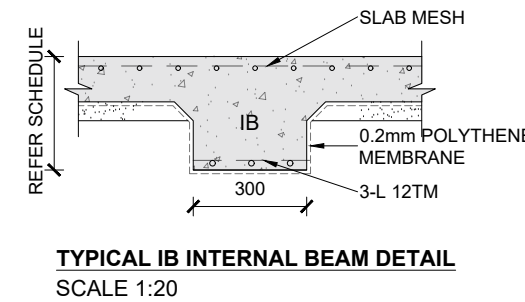
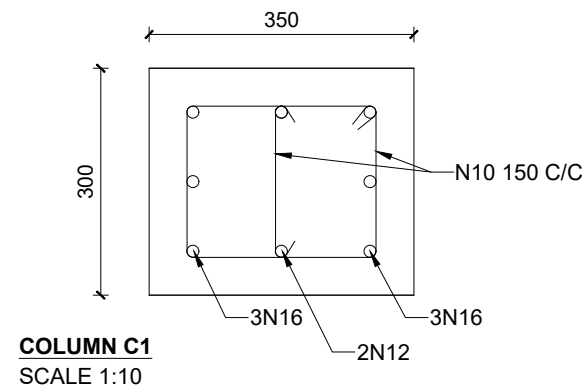
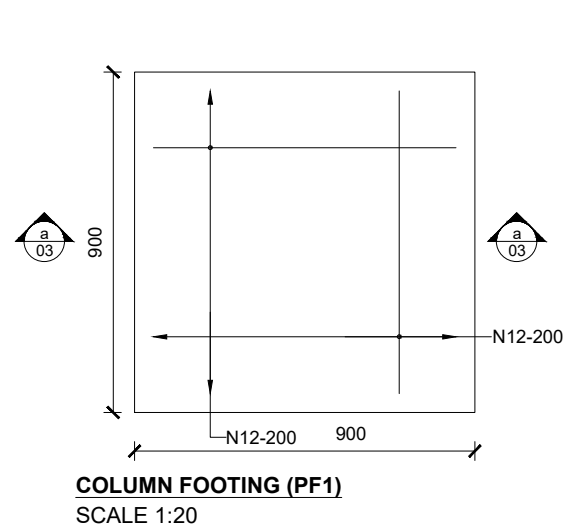
FOOTING SCHEDULE (F _c = 32MPa)				
FOOTING TYPE	EB EDGE BEAM	IB INTERNAL BEAM	PF1 PAD FOOTING	PF2 PAD FOOTING
WIDTH MINIMUM	300	300	900 x 900	1200 x 1650
DEPTH MINIMUM	300	300	300	300
REINFORCEMENT	3-L12TM BOTTOM	3-L12TM BOTTOM	N12-200 BOTH WAY BOTTOM	N12-200 BOTH WAY BOTTOM
COMMENTS	-	-	-	-



COLUMN SCHEDULE	
COLUMN TYPE	
UC1	200 UB 25.4 COLUMNS (REFER FRAME DETAILS FOR COLUMN HEIGHT)
UC2	250 UB 37.3 COLUMNS (REFER FRAME DETAILS FOR COLUMN HEIGHT)
SHS1	75 x 75 x 6mm SHS COLUMNS (REFER FRAME DETAILS FOR COLUMN HEIGHT)
C1	350mm X 300mm
C2	350mm X 300mm
C3	300mm X 300mm

NOTES

- THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT MUST ALWAYS BE ADHERED TO DURING SITE PREPARATION AND FILL PLACEMENT.
- IF THE BUILDER OBSERVES ANY DEVIATION IN GROUND CONDITIONS FROM THOSE SPECIFIED IN THE GEOTECHNICAL REPORT, THEY MUST PROMPTLY NOTIFY THE ENGINEER FOR POTENTIAL MODIFICATIONS.
- GRADE OF CONCRETE - N32
- REFER TO "CONCRETE" NOTES FOR REINFORCEMENT COVER DETAILS
- ALL STEEL TO BE PROVIDED IN GRADE 300
- TIMBER AND STEEL TO BE FIRE RATED
- STUB COLUMN AT EACH PORTAL FRAME COLUMN LOCATION (REFER SECTIONS FOR THE DETAIL)
- ALL FOOTINGS INCLUDING EDGE / INTERNAL BEAMS SHOULD BE FOUNDED BEYOND THE TOP SOIL, LOOSE / SOFT NATURAL MATERIAL AND FILL PLACED UNDER LEVEL1 (AS SPECIFIED IN THE GEOTECHNICAL REPORT), ANY UNCONTROLLED FILL MATERIALS, OR DISTURBED GROUND WHICH IS APPROXIMATELY 450mm BELOW THE EXISTING GROUND LEVEL ACCORDING TO THE BORE HOLE DETAILS. ANY DEVIATION SHALL BE INFORMED TO THE ENGINEER FOR MODIFICATIONS.

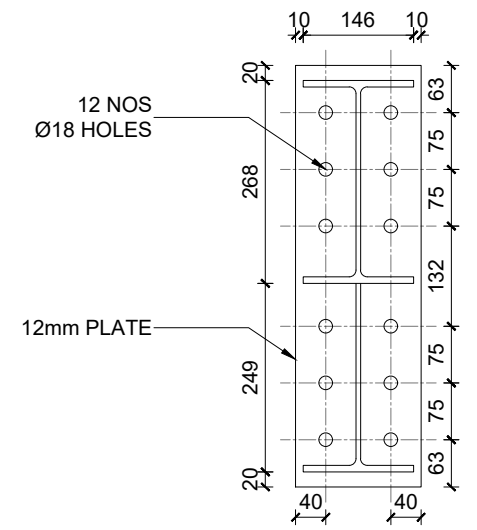
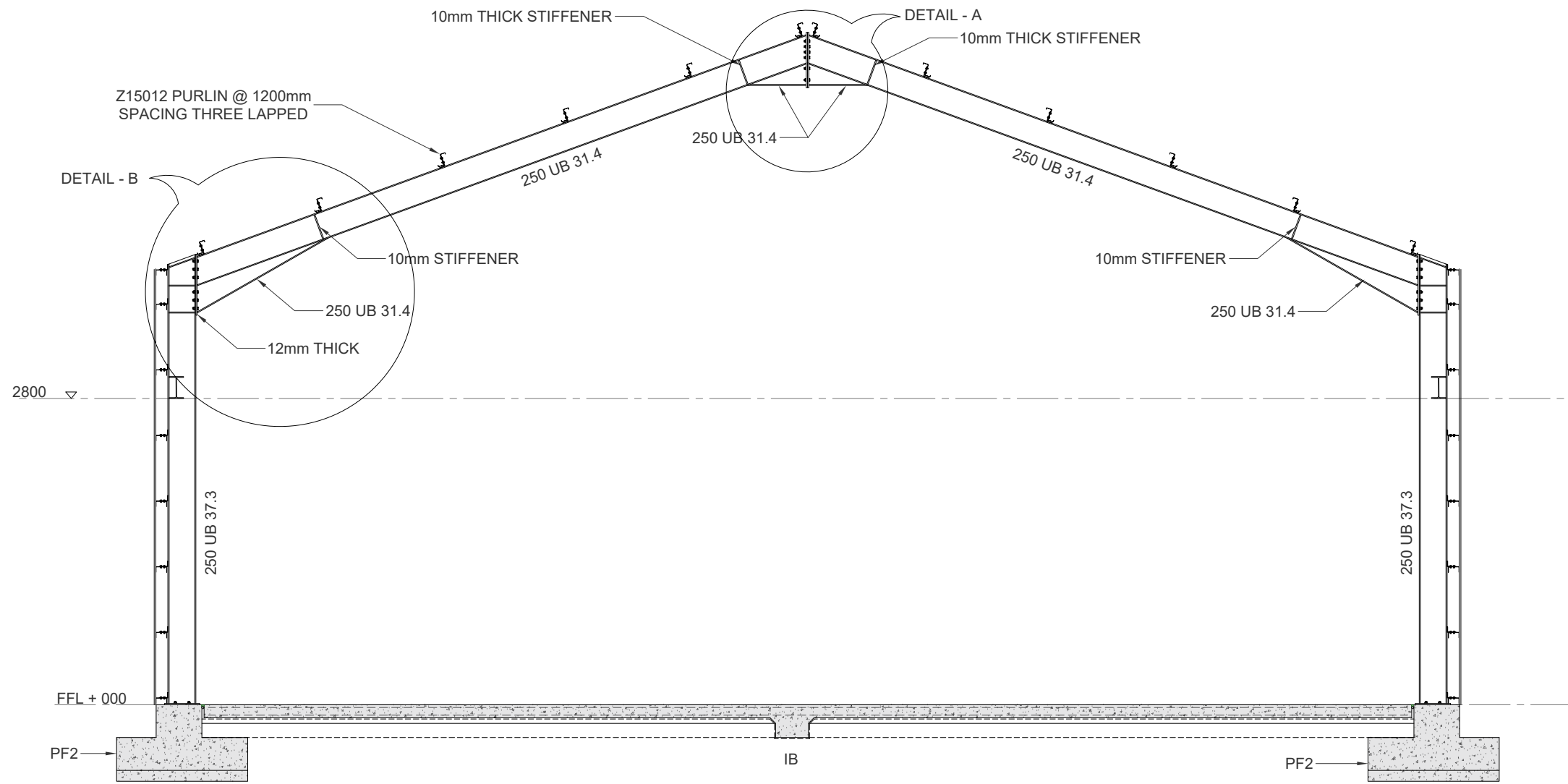


THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WELKIN SERVICES PTY LTD. REPRODUCTION OR DISTRIBUTION IN ANY FORM, INCLUDING ELECTRONIC OR MECHANICAL METHODS, IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND ISSUED FOR CONSTRUCTION.

#	REVISION DESCRIPTION	ISSUE	DATE
00	PRELIMINARY ISSUE	A	11/10/2024

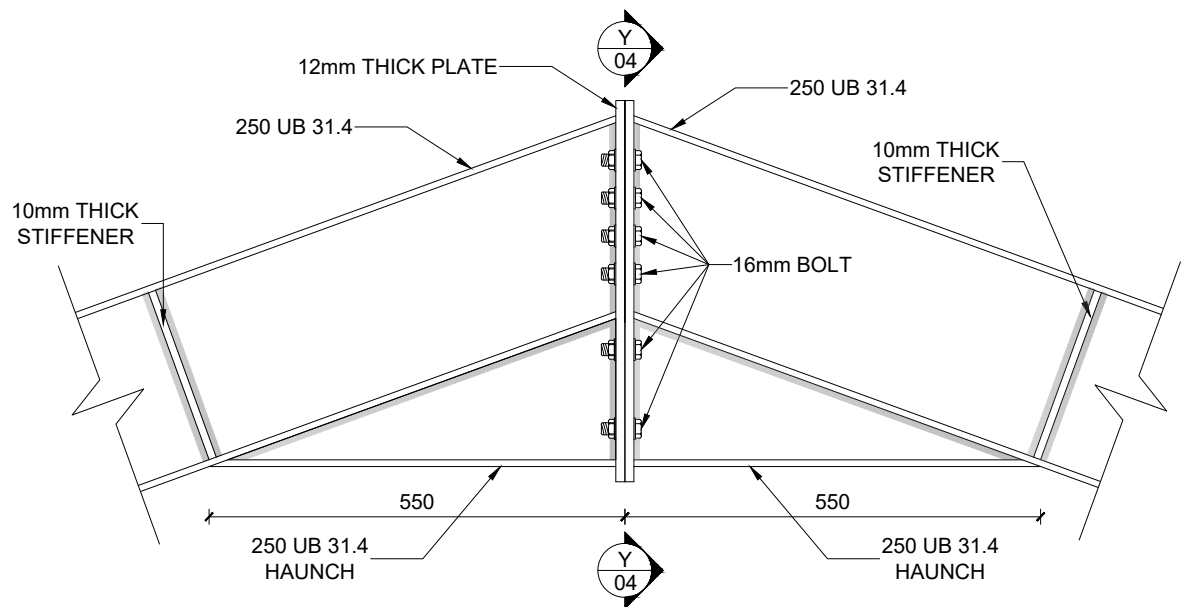
CLIENT JACK MURPHY	PROJECT ENGINEERING DESIGN FOR PROPOSED SHED
ADDRESS LOT 003 JAMES CREEK, NSW	SCALE (U.N.O) GIVEN @ A3

DRAWING TITLE FOUNDATION LAYOUT & DETAILS	DRAWN TC	CHECKED KW
DRAWING NO. A03	SHEET NO. 04	ISSUE A

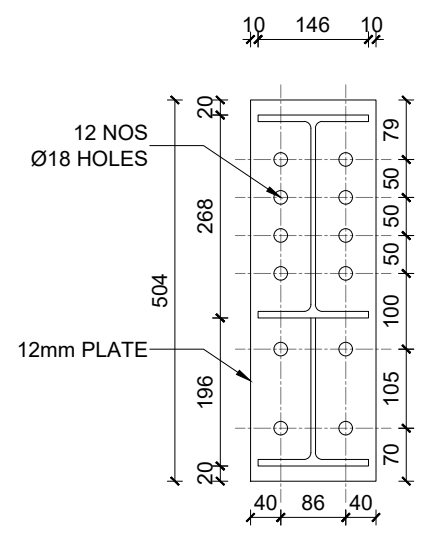


• 8mm THICK FILLET WELD ALL ROUND
SECTION X - X
 SCALE 1:10

01 **PORTAL FRAME - 2 & 3**
 04 Scale 1:50

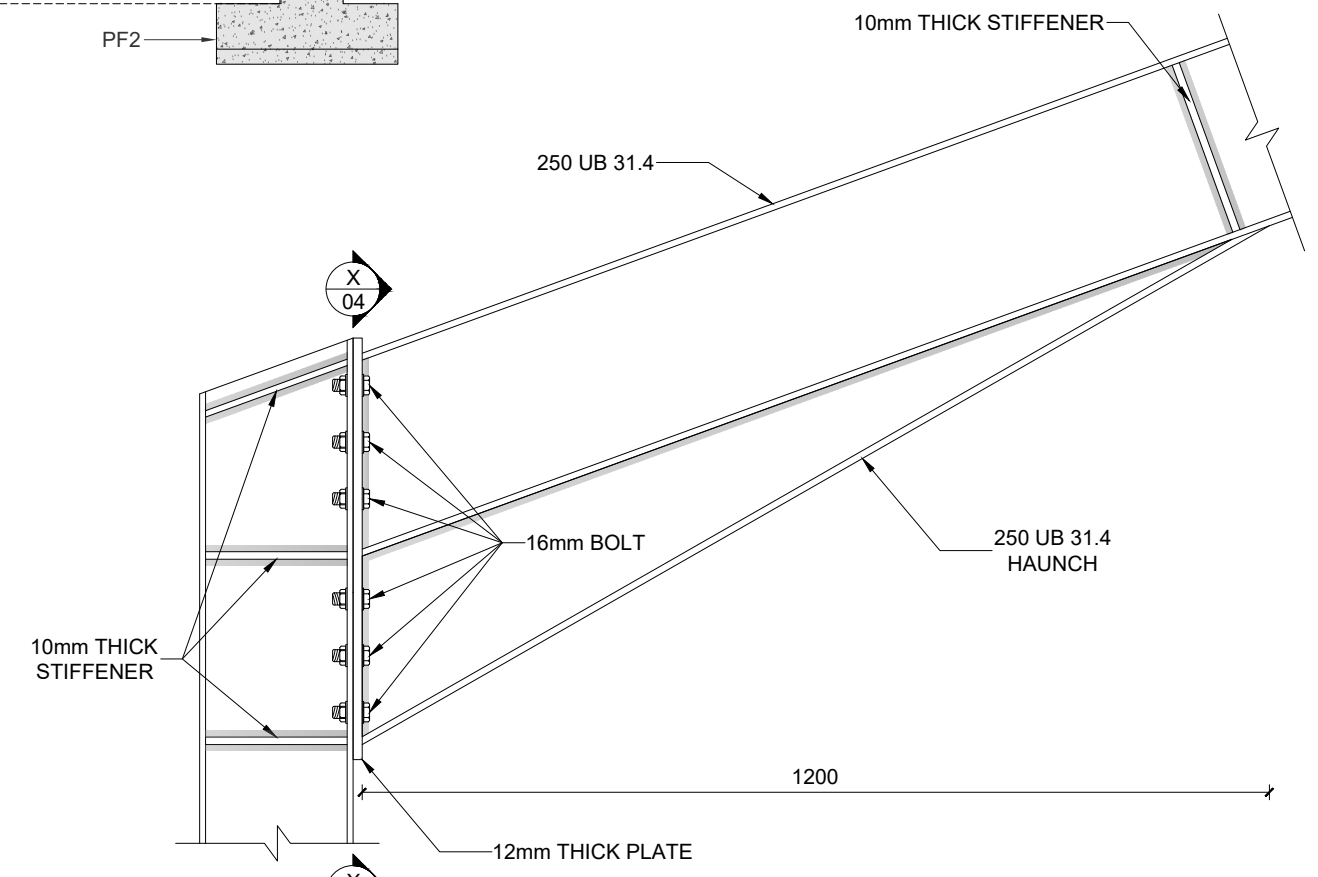


DETAIL - A
 SCALE 1:10



• 8mm THICK FILLET WELD ALL ROUND

SECTION Y - Y
 SCALE 1:10



DETAIL - B
 SCALE 1:10

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WELKIN SERVICES PTY LTD. REPRODUCTION OR DISTRIBUTION IN ANY FORM, INCLUDING ELECTRONIC OR MECHANICAL METHODS, IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND ISSUED FOR CONSTRUCTION.

#	REVISION DESCRIPTION	ISSUE	DATE
00	PRELIMINARY ISSUE	A	11/10/2024

CLIENT
 JACK MURPHY

PROJECT
 ENGINEERING DESIGN FOR PROPOSED SHED

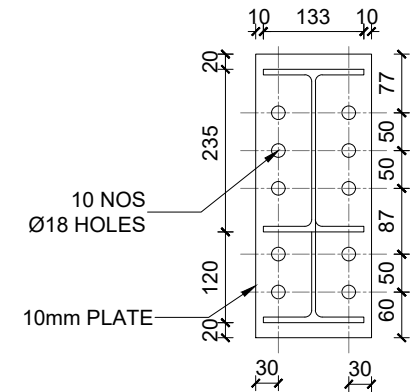
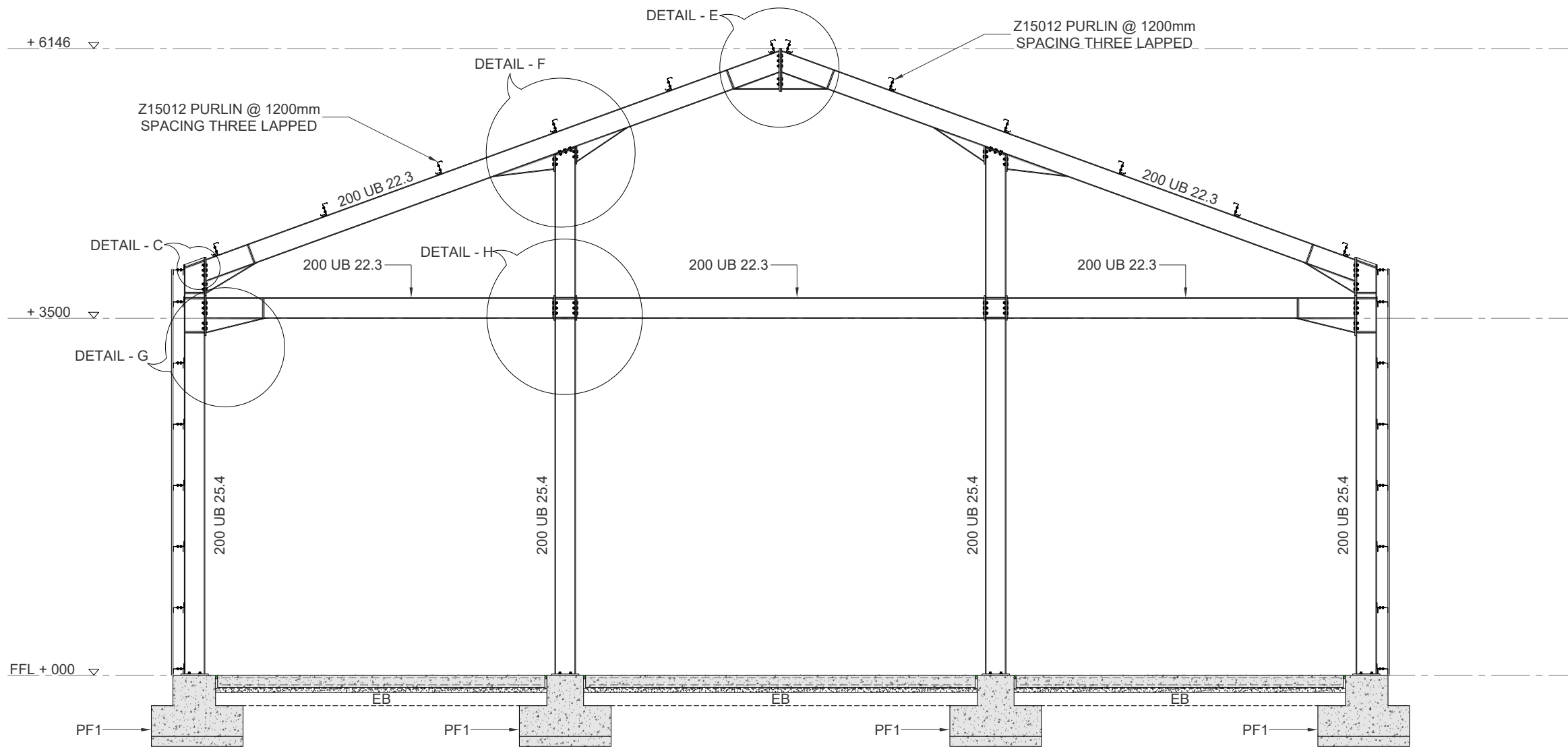
ADDRESS
 LOT 003 JAMES CREEK, NSW

SCALE (U.N.O)
 GIVEN @ A3

DRAWING TITLE
PORTAL FRAME 2 & 3

DRAWING NO. A04

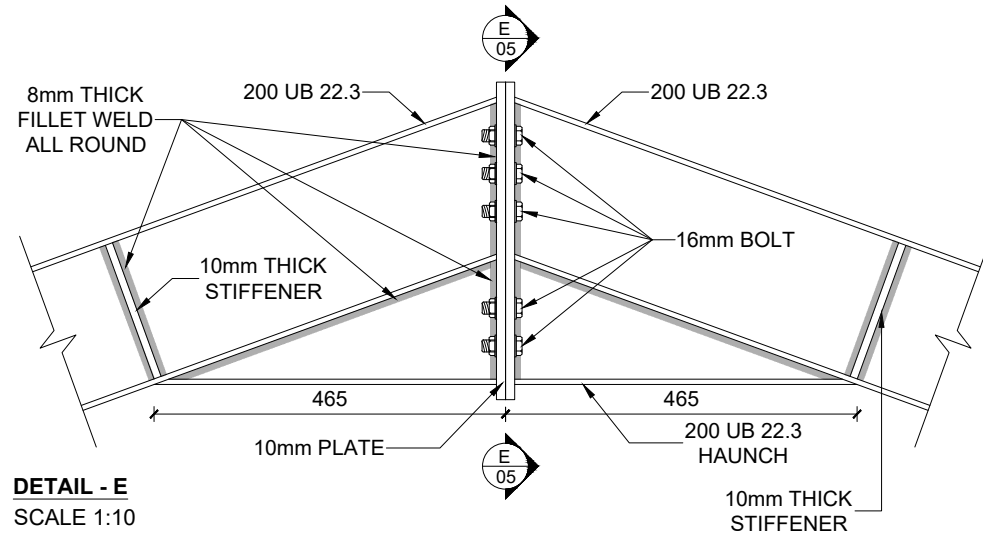
DRAWN	CHECKED	SHEET NO.	ISSUE
TC	KW	05	A



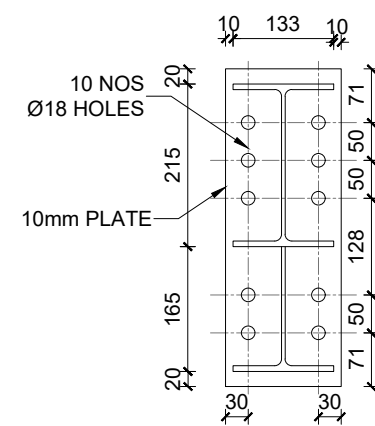
- 8mm THICK FILLET WELD ALL ROUND
- M16 8.8 BOLTS

SECTION C - C
SCALE 1:10

01 PORTAL FRAME - 1
05 Scale 1:50

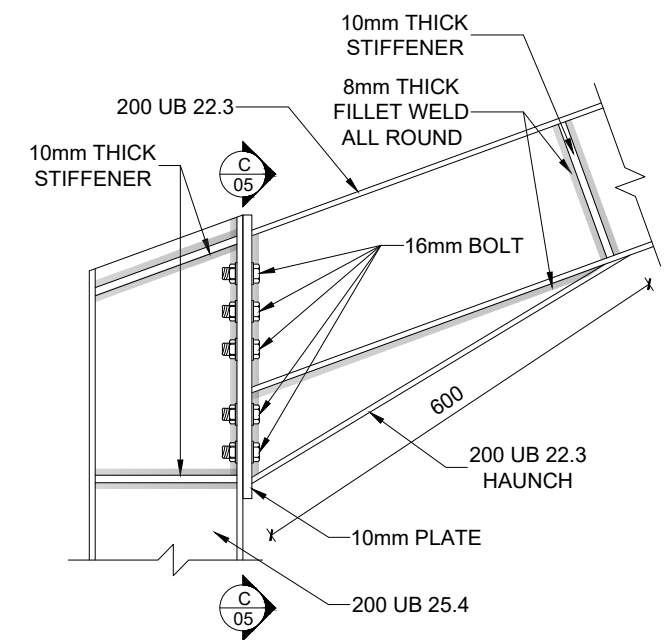


DETAIL - E
SCALE 1:10



- 8mm THICK FILLET WELD ALL ROUND
- M16 8.8 BOLTS

SECTION E - E
SCALE 1:10



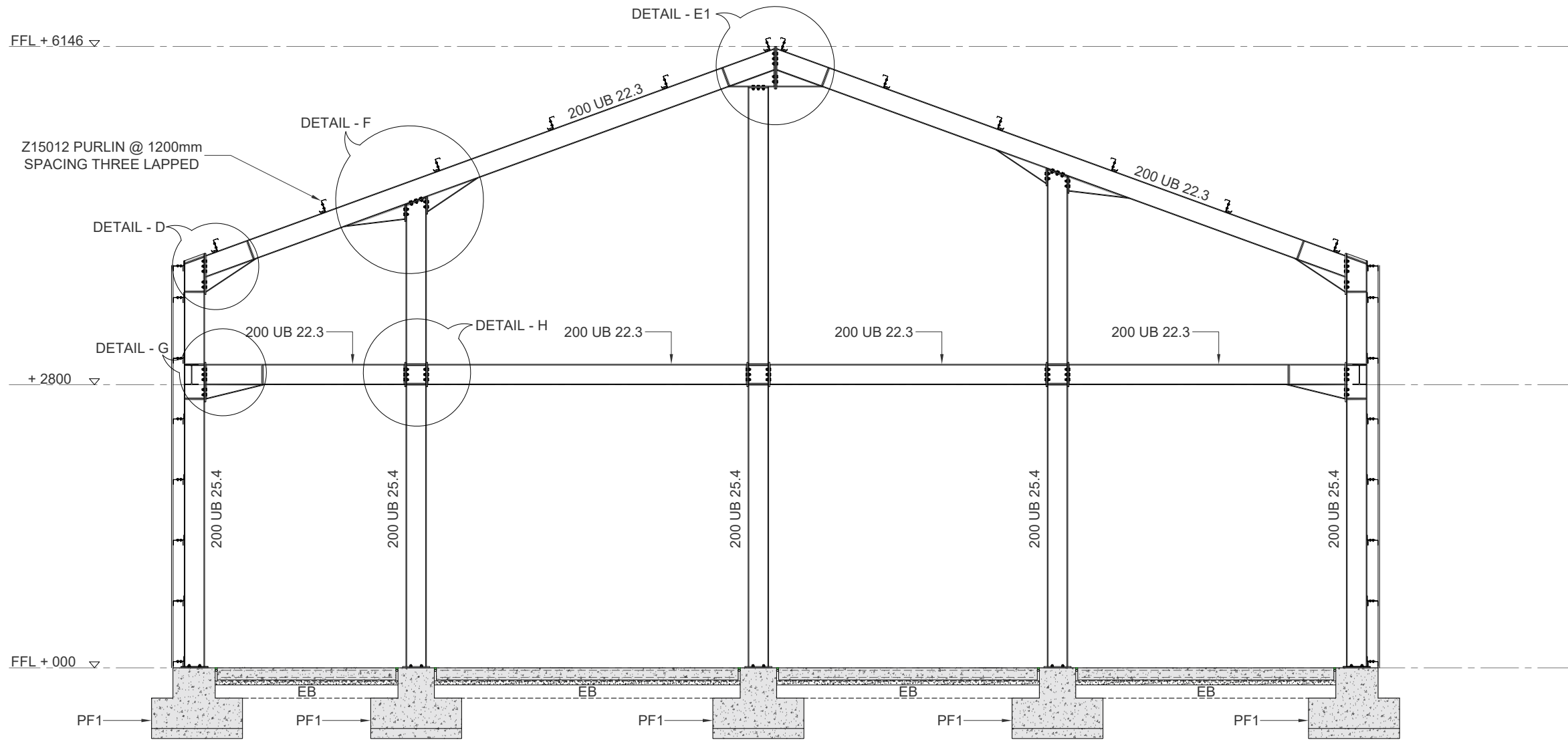
DETAIL - C
SCALE 1:10

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WELKIN SERVICES PTY LTD. REPRODUCTION OR DISTRIBUTION IN ANY FORM, INCLUDING ELECTRONIC OR MECHANICAL METHODS, IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND ISSUED FOR CONSTRUCTION.

#	REVISION DESCRIPTION	ISSUE	DATE
00	PRELIMINARY ISSUE	A	11/10/2024

CLIENT JACK MURPHY	PROJECT ENGINEERING DESIGN FOR PROPOSED SHED
ADDRESS LOT 003 JAMES CREEK, NSW	SCALE (U.N.O) GIVEN @ A3

DRAWING TITLE PORTAL FRAME 1	DRAWN TC	CHECKED KW
DRAWING NO. A05	SHEET NO. 06	ISSUE A



01 **PORTAL FRAME - 4**
06 Scale 1:50

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WELKIN SERVICES PTY LTD. REPRODUCTION OR DISTRIBUTION IN ANY FORM, INCLUDING ELECTRONIC OR MECHANICAL METHODS, IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND ISSUED FOR CONSTRUCTION.

#	REVISION DESCRIPTION	ISSUE	DATE
00	PRELIMINARY ISSUE	A	11/10/2024

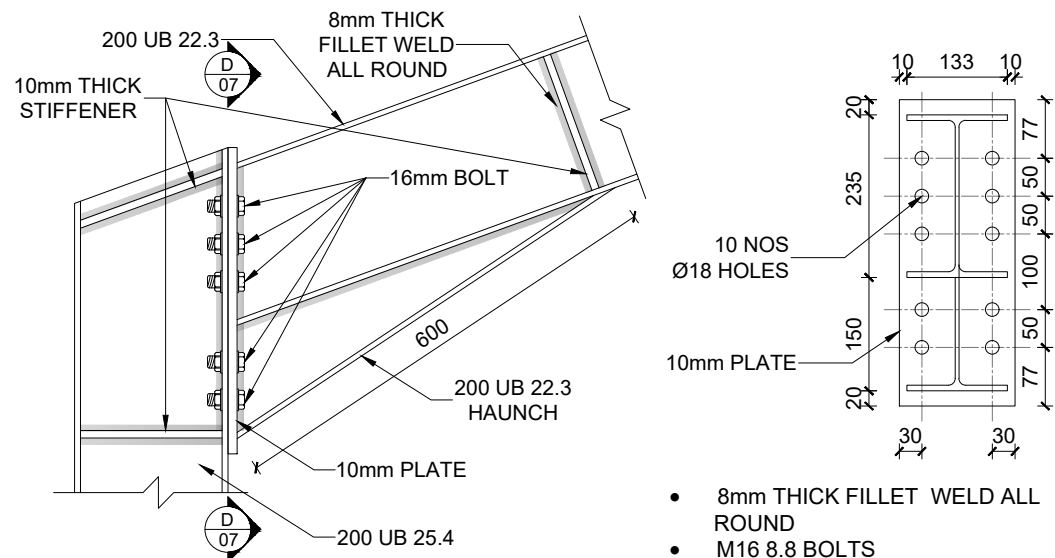
CLIENT
JACK MURPHY

PROJECT
ENGINEERING DESIGN FOR PROPOSED SHED

ADDRESS
LOT 003 JAMES CREEK, NSW

SCALE (U.N.O)	DRAWN	CHECKED
GIVEN @ A3	TC	KW

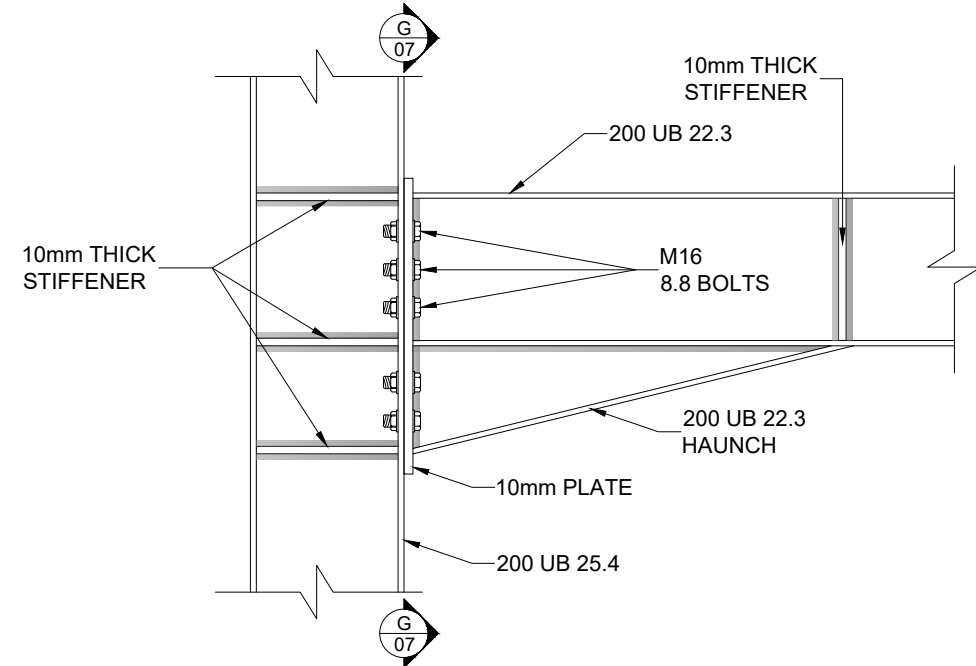
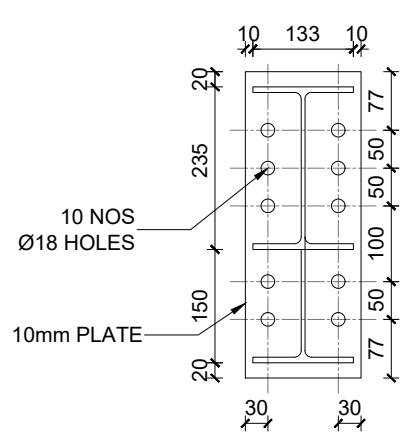
DRAWING TITLE	SHEET NO.	ISSUE
PORTAL FRAME 4	07	A



DETAIL - D
SCALE 1:10

- 8mm THICK FILLET WELD ALL ROUND
- M16 8.8 BOLTS

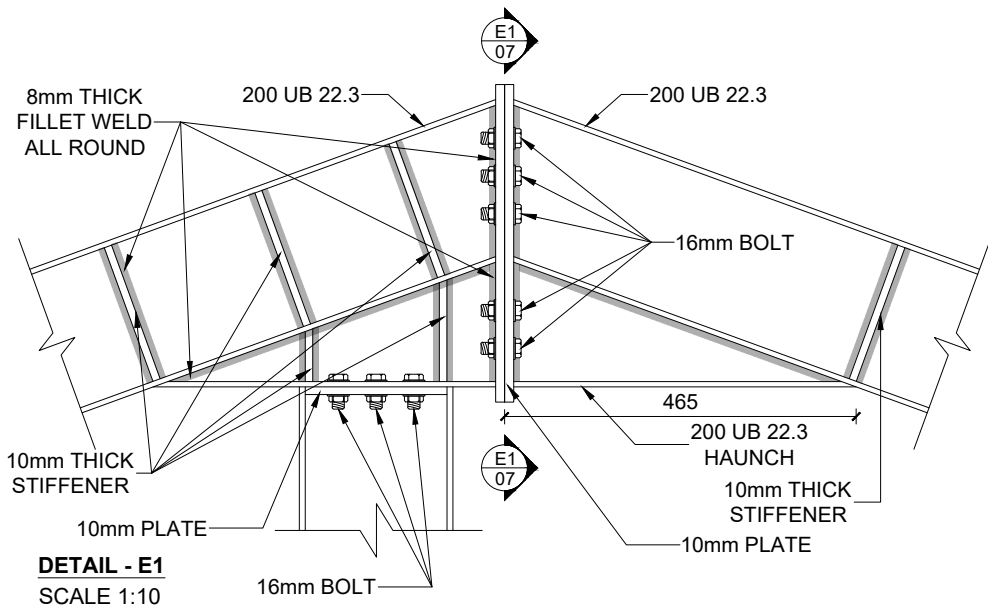
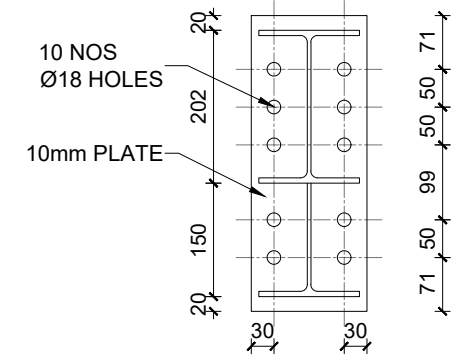
SECTION D - D
SCALE 1:10



DETAIL - G
SCALE 1:10

- 8mm THICK FILLET WELD ALL ROUND
- M 16 8.8 BOLTS

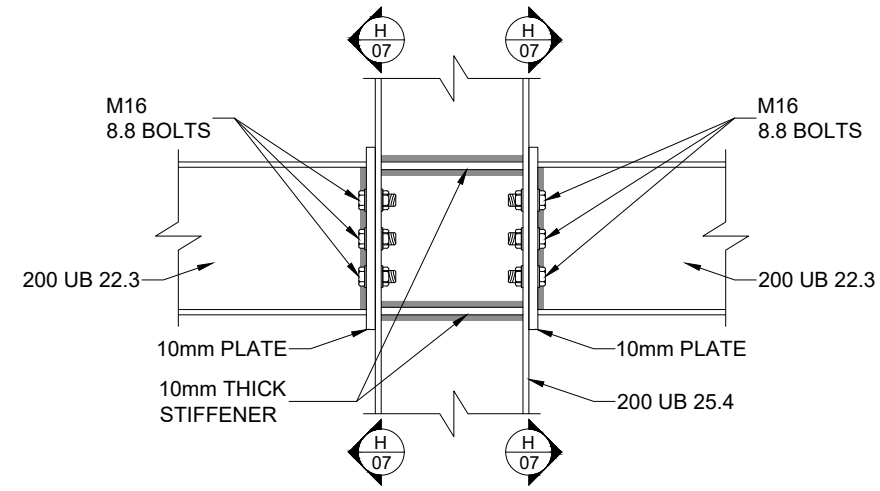
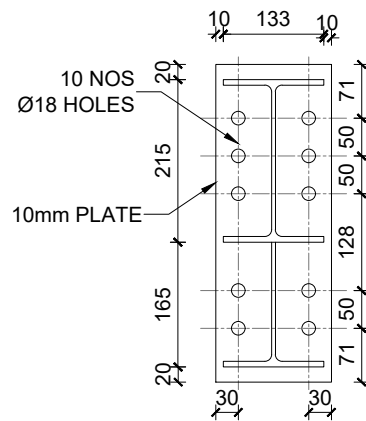
SECTION G - G
SCALE 1:10



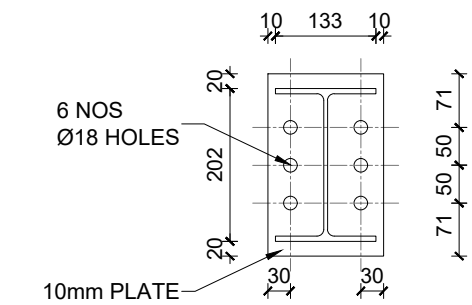
DETAIL - E1
SCALE 1:10

- 8mm THICK FILLET WELD ALL ROUND
- M16 8.8 BOLTS

SECTION E1 - E1
SCALE 1:10

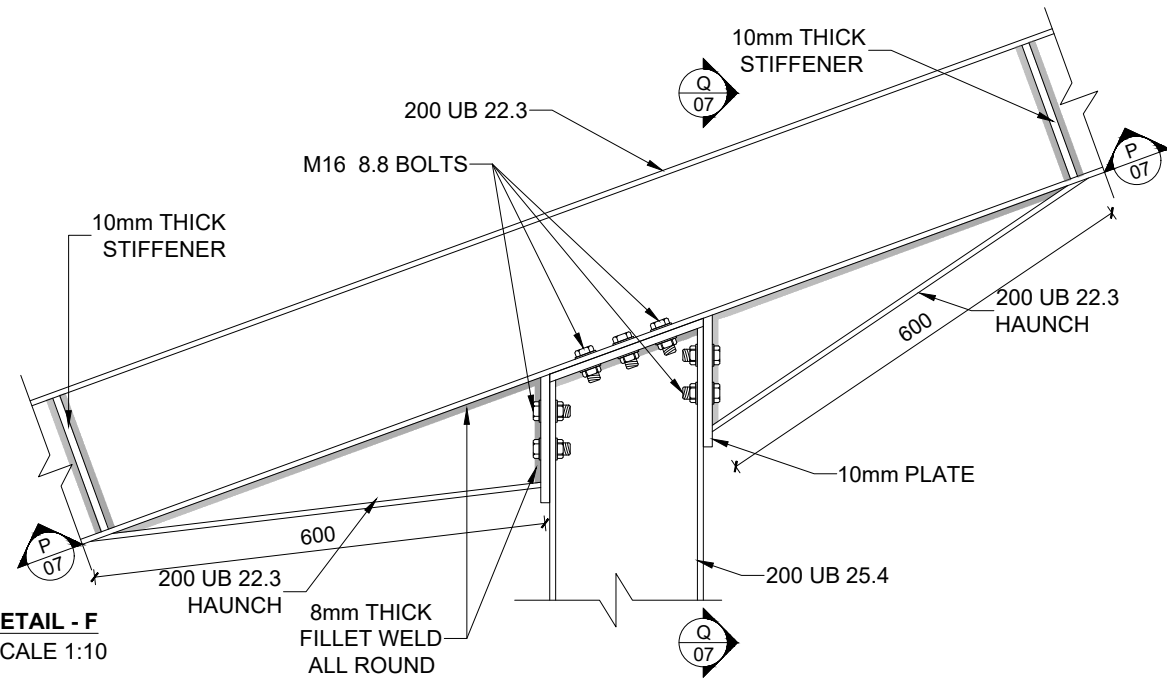


DETAIL - H
SCALE 1:10



- 8mm THICK FILLET WELD ALL ROUND
- M 16 8.8 BOLTS

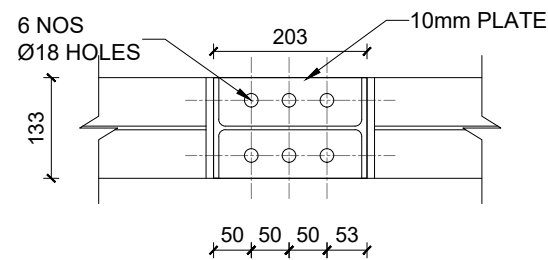
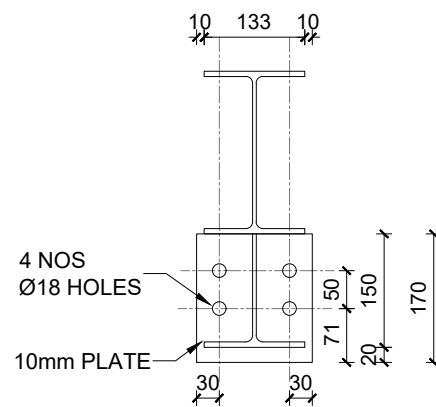
SECTION H - H
SCALE 1:10



DETAIL - F
SCALE 1:10

- 8mm THICK FILLET WELD ALL ROUND
- M 16 8.8 BOLTS

SECTION Q - Q
SCALE 1:10



- 8mm THICK FILLET WELD ALL ROUND
- M 16 8.8 BOLTS

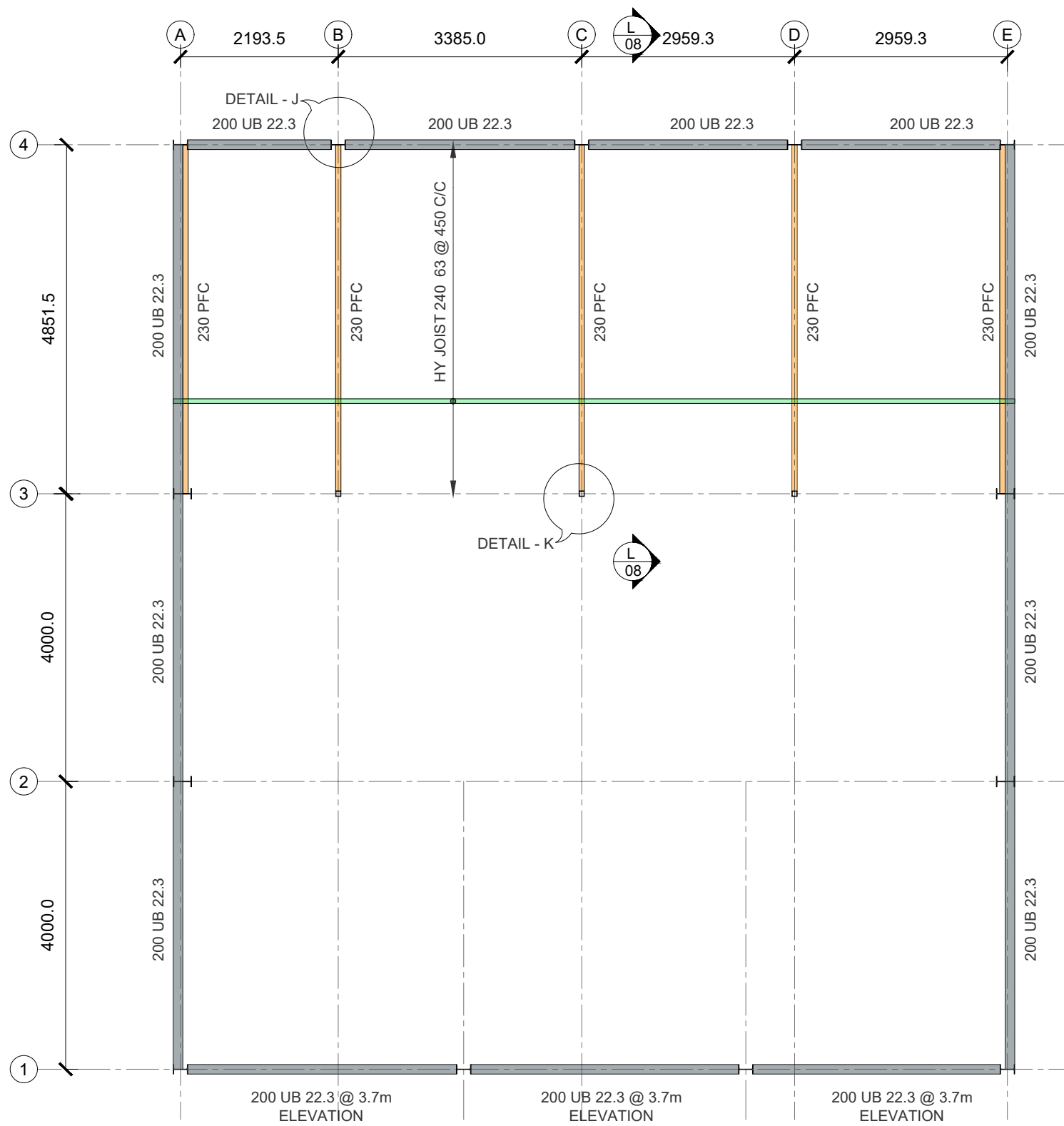
SECTION P - P
SCALE 1:10

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WELKIN SERVICES PTY LTD. REPRODUCTION OR DISTRIBUTION IN ANY FORM, INCLUDING ELECTRONIC OR MECHANICAL METHODS, IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND ISSUED FOR CONSTRUCTION.

#	REVISION DESCRIPTION	ISSUE	DATE
00	PRELIMINARY ISSUE	A	11/10/2024

CLIENT JACK MURPHY	PROJECT ENGINEERING DESIGN FOR PROPOSED SHED
ADDRESS LOT 003 JAMES CREEK, NSW	SCALE (U.N.O) GIVEN @ A3

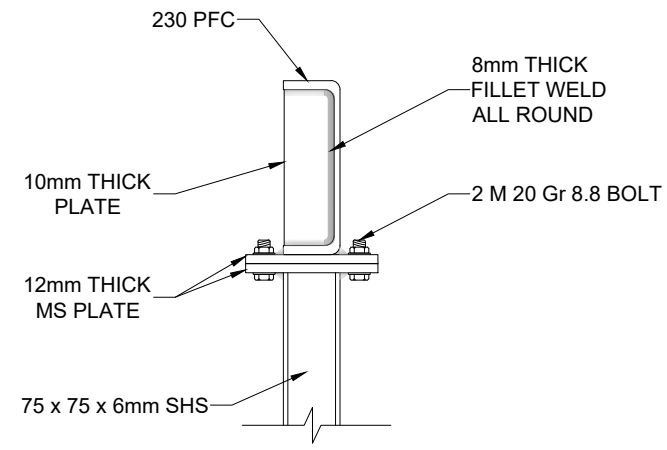
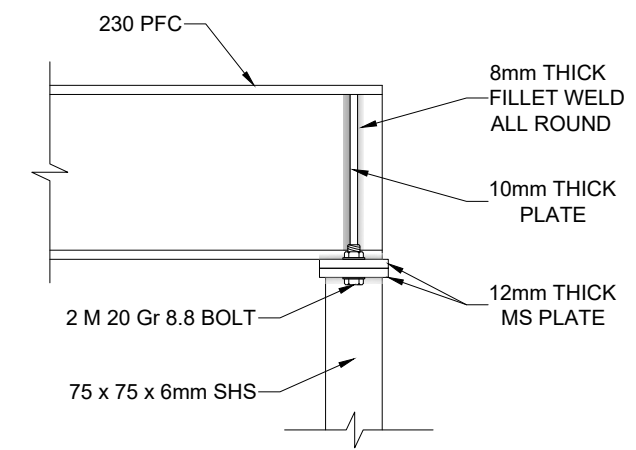
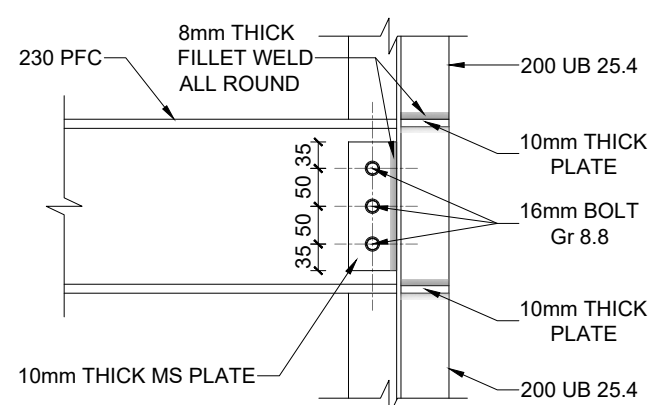
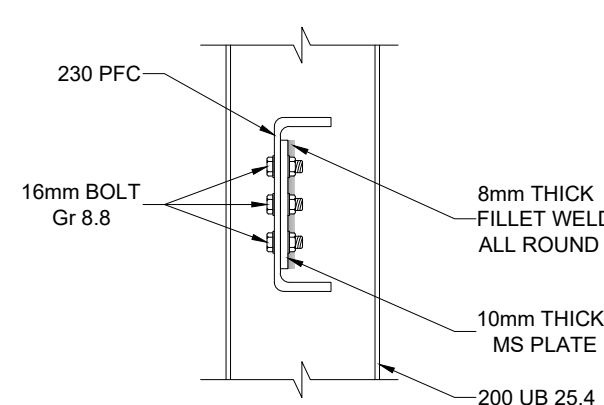
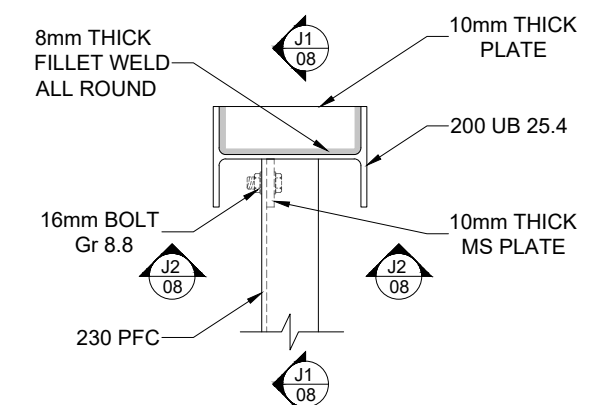
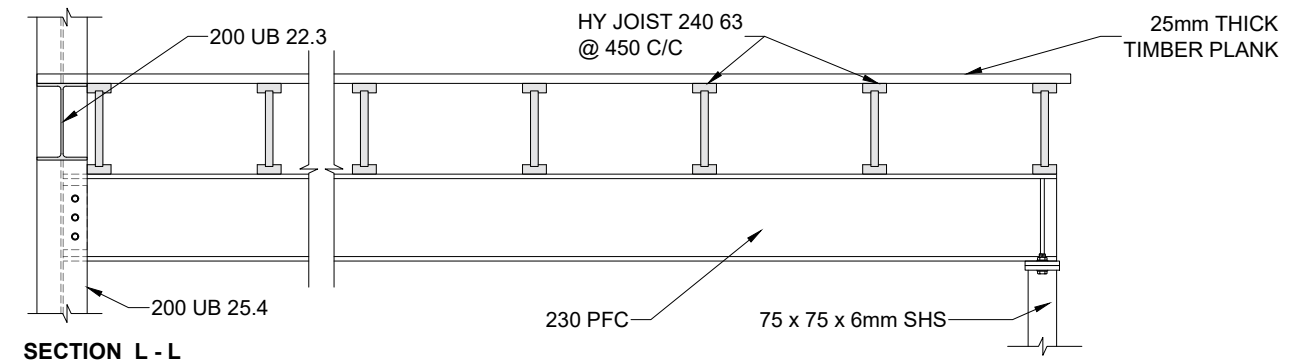
DRAWN TC	CHECKED KW
DRAWING TITLE PORTAL FRAME 1 & 4 CONNECTION DETAIL	
DRAWING NO. A07	SHEET NO. 08
ISSUE A	



01 GENERAL ARRANGEMENT OF ATTIC FLOOR
08 Scale 1:75

- LEGEND**
- 200 UB 22.3
 - 230 PFC TO SUPPORT THE TIMBER DECK . MAX SPAN 4.7m
 - HY JOIST HY SPAN 240 63 @ 450 C/C

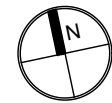
- NOTE**
- LIVE LOAD CONSIDERED FOR ATTIC 1.5kN/m²



THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WELKIN SERVICES PTY LTD. REPRODUCTION OR DISTRIBUTION IN ANY FORM, INCLUDING ELECTRONIC OR MECHANICAL METHODS, IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND ISSUED FOR CONSTRUCTION.

00	PRELIMINARY ISSUE	A	11/10/2024
#	REVISION DESCRIPTION	ISSUE	DATE

CLIENT
 JACK MURPHY



PROJECT
 ENGINEERING DESIGN FOR PROPOSED SHED

ADDRESS
 LOT 003 JAMES CREEK, NSW

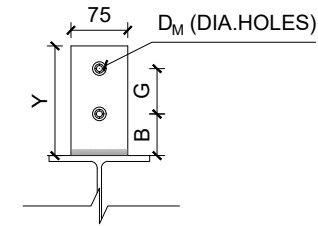
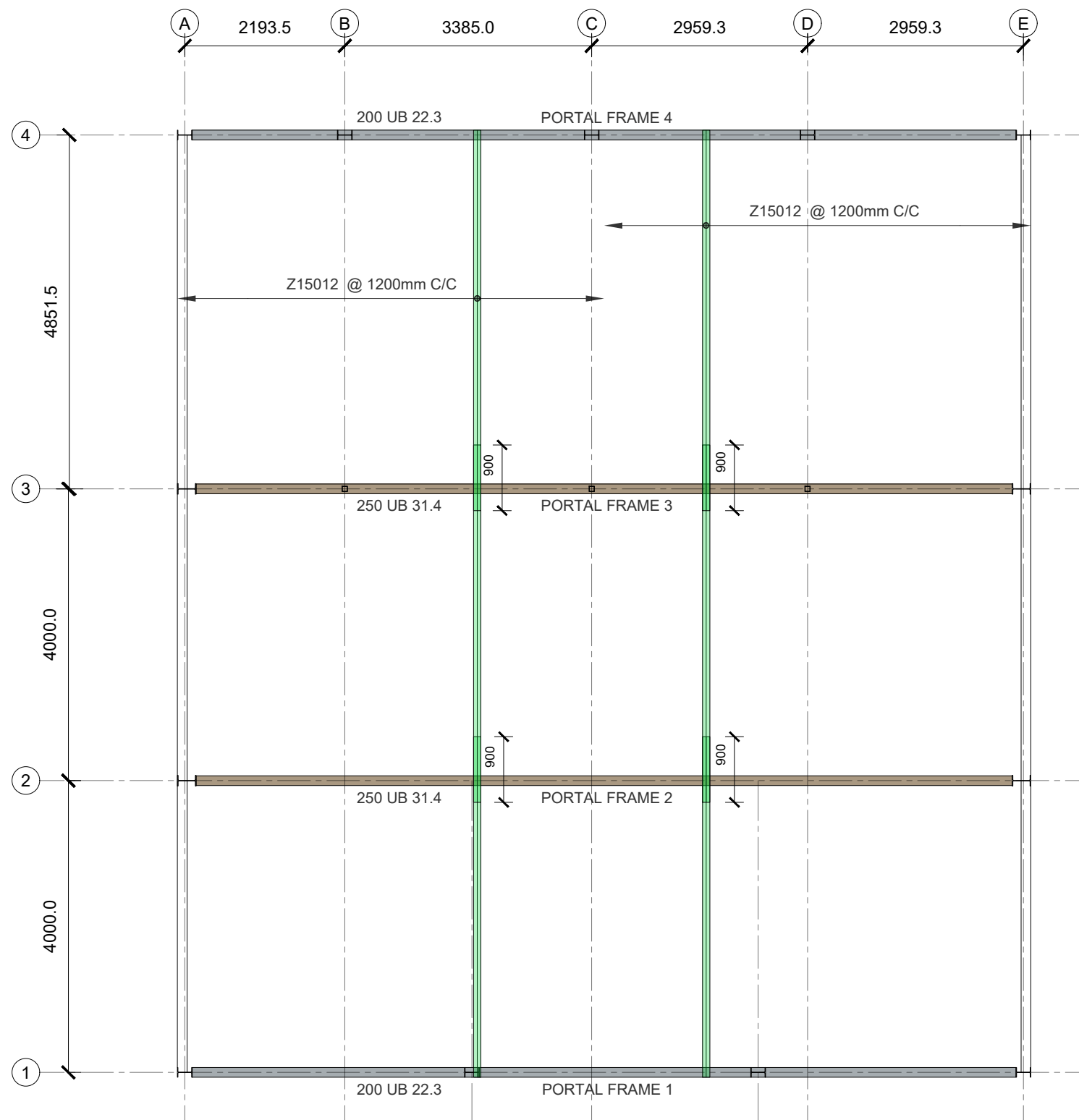
SCALE (U.N.O) GIVEN @ A3	DRAWN TC	CHECKED KW
DRAWING TITLE ATTIC FLOOR DETAILS		
DRAWING NO. A08	SHEET NO. 09	ISSUE A

LEGEND

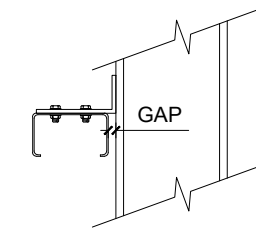
- 200 UB 22.3
- 250 UB 31.4
- Z15012 PURLIN @ 1200mm SPACING THREE LAPPED

NOTE

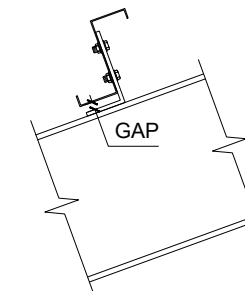
- LOAD CONSIDERED FOR ROOF
DEAD - 0.5kN/m²
LIVE - 0.25kN/m²
- PURLIN SHALL BE HIGH STRENGTH, LYSAUGHT OR EQUIVALENT



CLEAT PLATE
SCALE 1:10

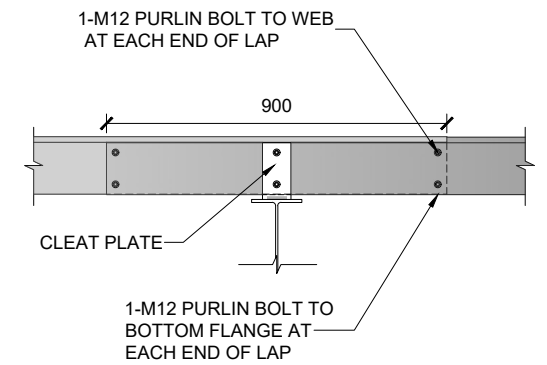


CLEAT PLATE
SCALE 1:10

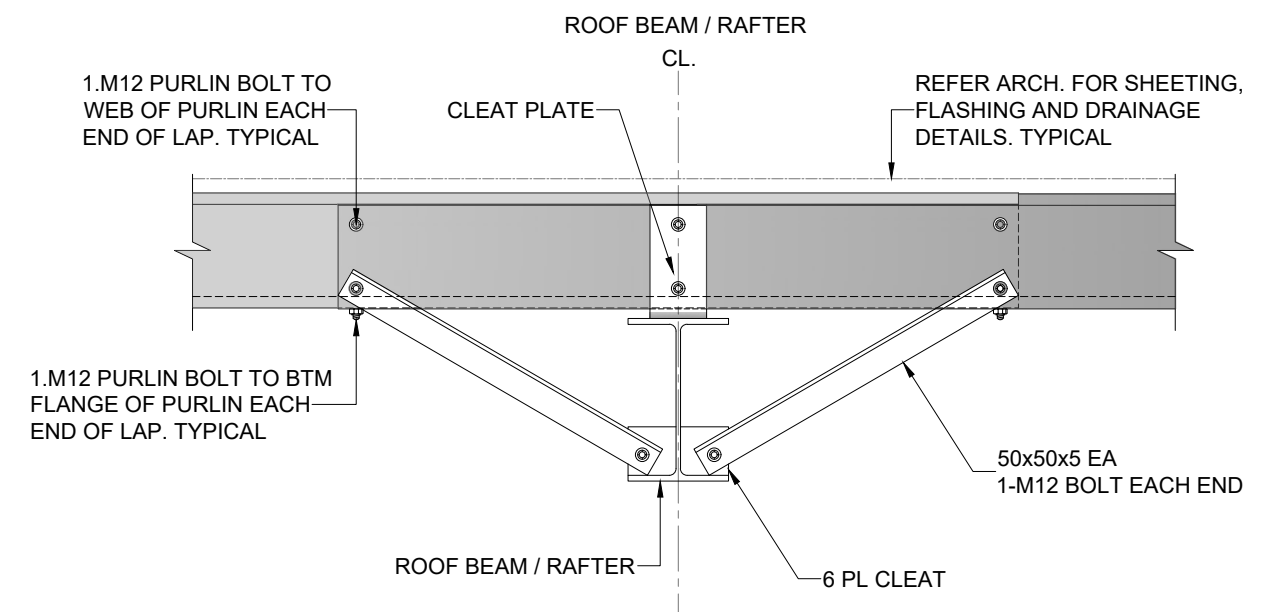


CLEAT PLATE
SCALE 1:10

CLEAT NOMINAL DIMENSIONS (mm)						
NOMINAL PURLIN SIZE (mm)	B	Y	t (THICKNESS)	GAP	D _M	G (GAUGE)
100	40	105	8	10	18	40
150	55	145	8	10	18	60



Z15012 PURLIN LAP DETAIL
SCALE 1:20



FLY BRACING DETAIL (RAFTER STAYS AND COLUMN STAYS) AT EACH PURLIN LOCATION
SCALE 1:20

01 GENERAL ARRANGEMENT OF ROOF LEVEL
09 Scale 1:75

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WELKIN SERVICES PTY LTD. REPRODUCTION OR DISTRIBUTION IN ANY FORM, INCLUDING ELECTRONIC OR MECHANICAL METHODS, IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND ISSUED FOR CONSTRUCTION.

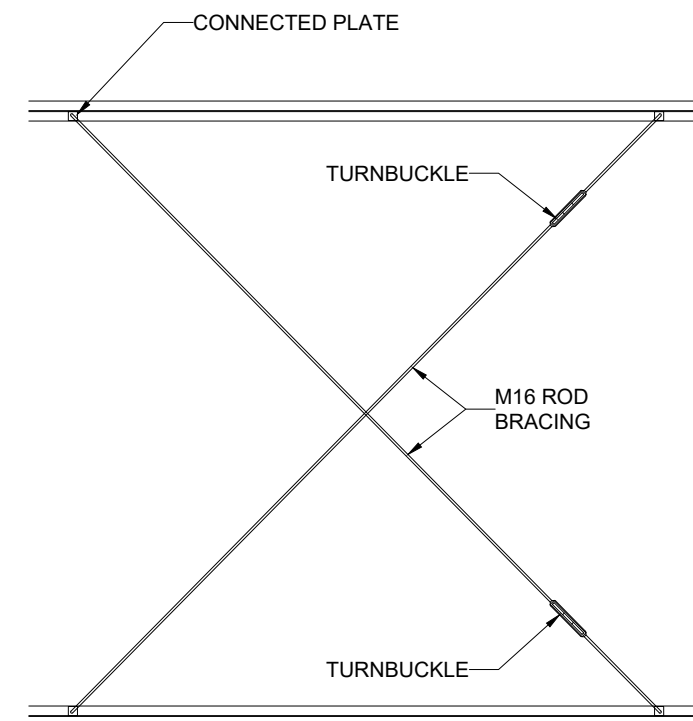
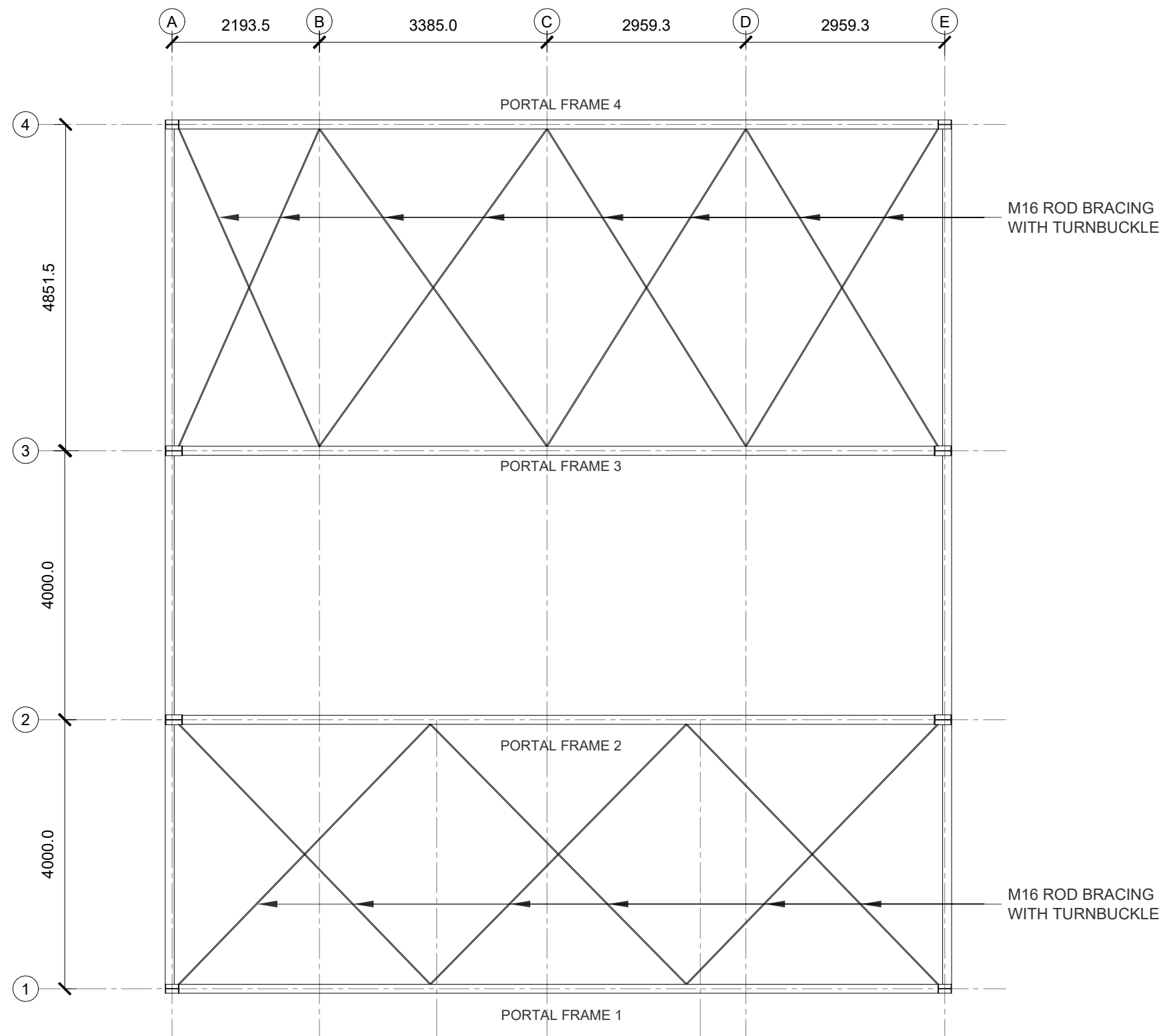
#	REVISION DESCRIPTION	ISSUE	DATE
00	PRELIMINARY ISSUE	A	11/10/2024

CLIENT
JACK MURPHY

PROJECT
ENGINEERING DESIGN FOR PROPOSED SHED

ADDRESS
LOT 003 JAMES CREEK, NSW

SCALE (U.N.O)	DRAWN	CHECKED
GIVEN @ A3	TC	KW
DRAWING TITLE		
ROOF FRAMES		
DRAWING NO.	SHEET NO.	ISSUE
A09	10	A



TYPICAL ROOF BRACING
SCALE 1:50

01 **ROOF BRACING**
10 Scale 1:75

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WELKIN SERVICES PTY LTD. REPRODUCTION OR DISTRIBUTION IN ANY FORM, INCLUDING ELECTRONIC OR MECHANICAL METHODS, IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND ISSUED FOR CONSTRUCTION.

00	PRELIMINARY ISSUE	A	11/10/2024
#	REVISION DESCRIPTION	ISSUE	DATE

CLIENT
JACK MURPHY

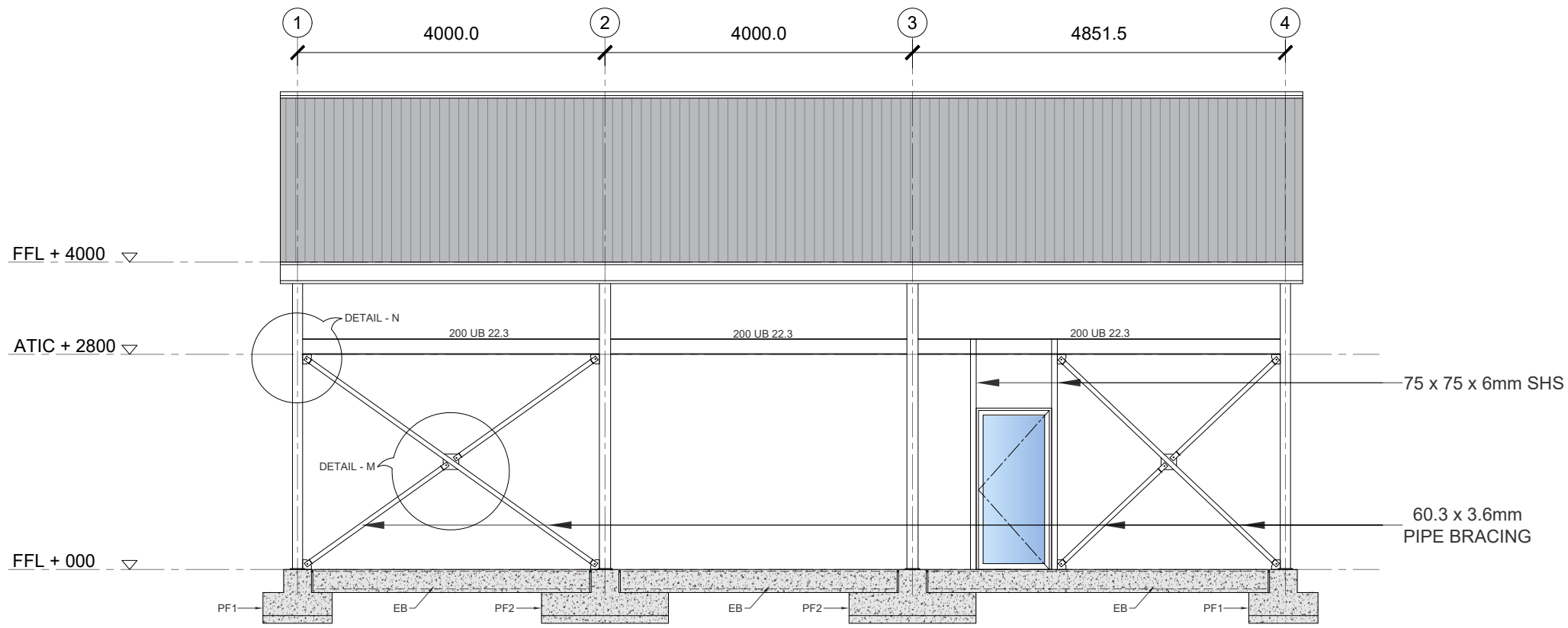


PROJECT
ENGINEERING DESIGN FOR PROPOSED SHED

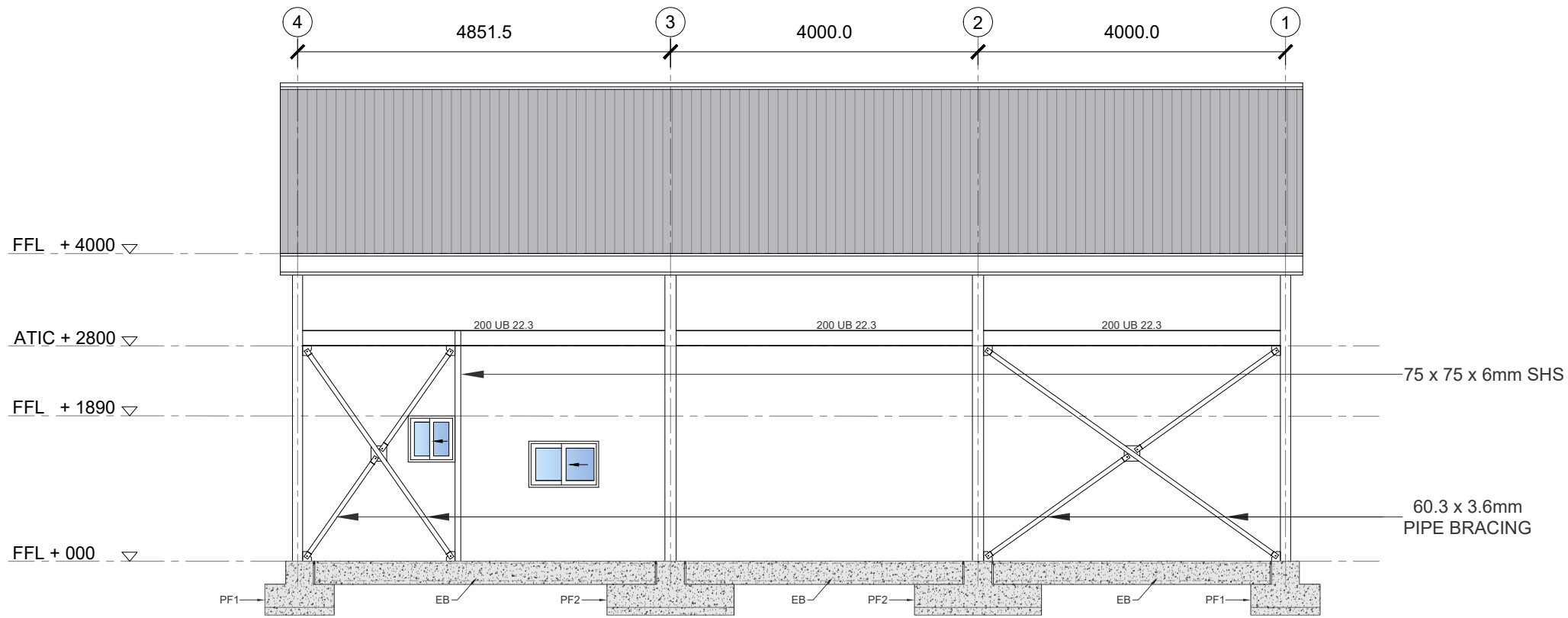
ADDRESS
LOT 003 JAMES CREEK, NSW

SCALE (U.N.O) GIVEN @ A3	DRAWN TC	CHECKED KW
-----------------------------	-------------	---------------

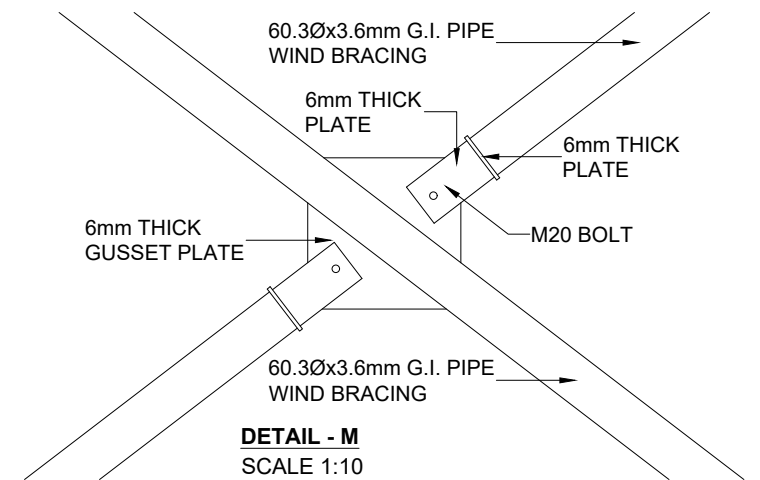
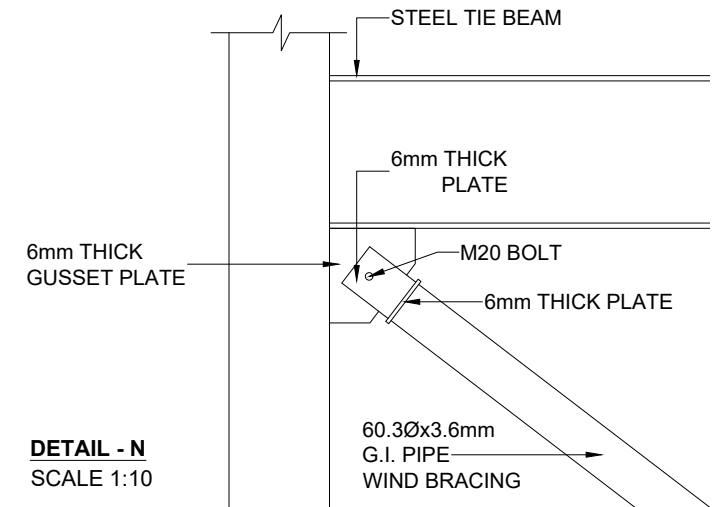
DRAWING TITLE ROOF BRACING		
DRAWING NO. A10	SHEET NO. 11	ISSUE A



01 WALL BRACINGS EAST WALL
11 Scale 1:75



02 WALL BRACINGS WEST WALL
11 Scale 1:75



THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WELKIN SERVICES PTY LTD. REPRODUCTION OR DISTRIBUTION IN ANY FORM, INCLUDING ELECTRONIC OR MECHANICAL METHODS, IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AND ISSUED FOR CONSTRUCTION.

#	REVISION DESCRIPTION	ISSUE	DATE
00	PRELIMINARY ISSUE	A	11/10/2024

CLIENT JACK MURPHY
PROJECT ENGINEERING DESIGN FOR PROPOSED SHED
ADDRESS LOT 003 JAMES CREEK, NSW

SCALE (U.N.O) GIVEN @ A3	DRAWN TC	CHECKED KW
DRAWING TITLE WALL BRACING		
DRAWING NO. A11	SHEET NO. 12	ISSUE A